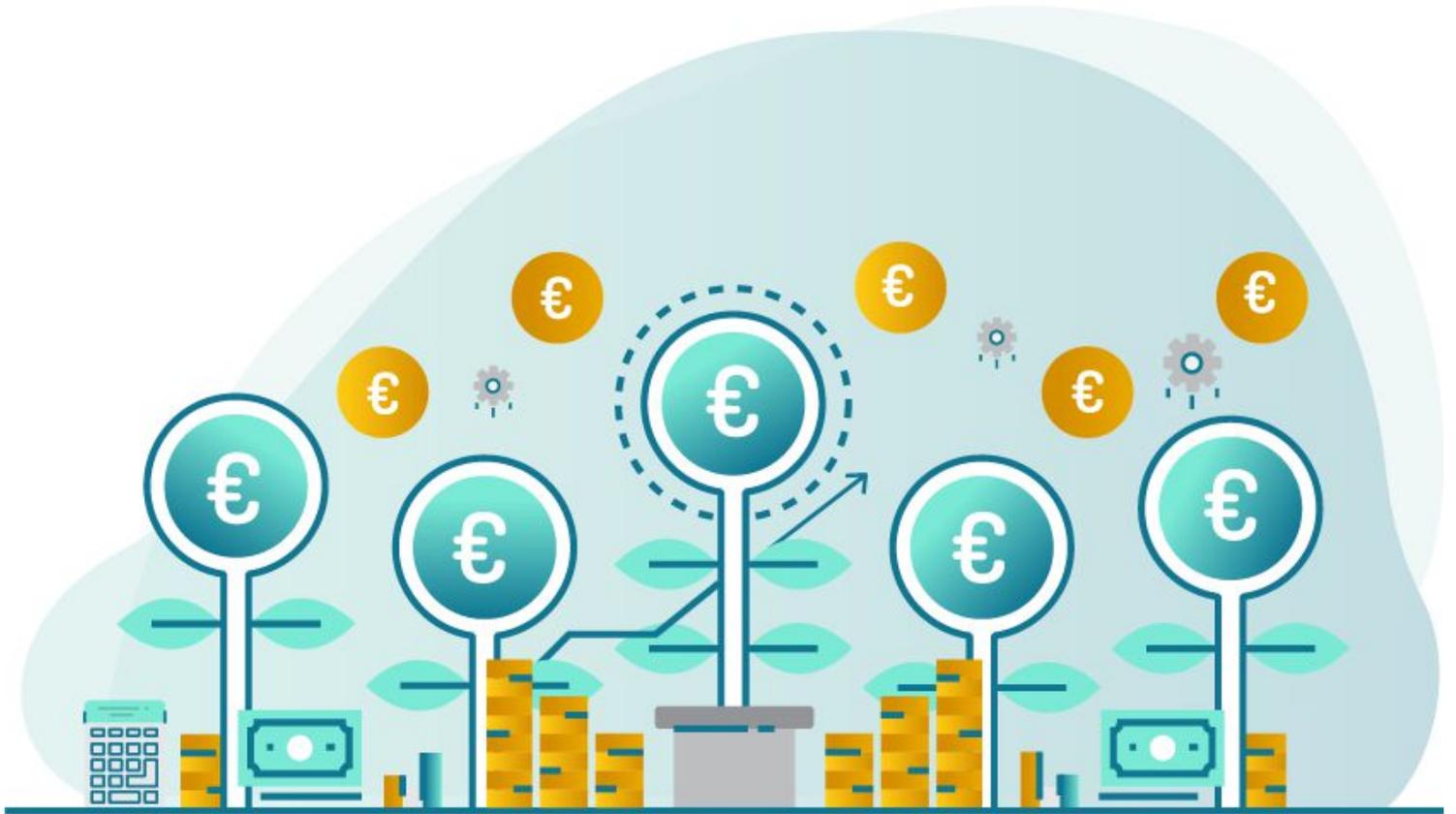




Euro
Investment



European Financial Literacy Game for Adult Citizens

EUROINVESTMENT GAMES GUIDE FOR TRAINEES



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1. Framework in Financial Literacy

1.1. Introduction

Financial literacy is key for all people in their daily lives. Financial literacy is a core life skill that must be nurtured to encourage responsible financial behaviour and to give people the confidence to take control of their finances. Financial education has a vital role in ensuring that European citizens are equipped with the knowledge, confidence and skills necessary to improve their understanding of financial products and concepts.

It is known that any improvement in financial literacy will have a profound impact on consumers and their ability to provide for their future. Recent trends are making it all the more imperative that consumers understand basic finances because they are being asked to shoulder more of the burden of investment decisions in their retirement accounts—all while having to decipher more complex financial products and options.

Learning how to read financially is not easy, but once mastered, it can ease life's burdens tremendously.

To be financially literate is to have the ability to understand and manage the financial areas of your life. This can involve budgeting, debt control, taxes, and even investing. Much like digital literacy or literacy itself (reading and writing), financial literacy is an important skill to master. Remember the financial crisis of 2008, when a lot of people lost their homes and savings? Financial knowledge played a role then and it still does now, every day.

With these games, the EUROINVESTMENT project will make financial education for you easier and more accessible. Game-based learning, as part of an edutainment approach, that links the education with the entertainment, is being recognized as an effective form of education and is highly valued as a compelling companion to classroom instruction, because it boosts students' interest and improves knowledge retention. In this regard, digital games can become a pedagogical tool that can be.

1.2. Why financial literacy is important for your daily lives

Financial literacy is important in daily life because it equips us with the knowledge, we need to manage money effectively. Without it, our financial decisions and the actions we take—or don't take—lack a solid foundation for success. Financial literacy is the ability to understand how to make sound financial choices so you can confidently manage and grow your money.

To begin with, the first difference financial literacy does, is that it makes you understand the value of money. And understanding the value of money helps you manage your spending and savings better. We all have gadgets, clothes or other accessories we really want.

Earning and spending your money helps you make the difference between a short-term desire and your needs. Financial literacy helps you prioritize the things that make your life better and the ones you should invest in.

It helps you understand the importance of a budget and it also teaches you how to do it. All this information helps you to handle your finances.

Knowing how to handle your income in order to be able to pay the bills and save for retirement is not something that is included in school curricula. However, becoming financially literate can help you understand the value of money and plan your spending.

You have all the knowledge you need to make the best choices regarding insurance or mortgage. You can decide to invest in stocks and save for education. Finally, you can grow your money while helping your country's economy and saving for emergency times at the same time.

Financial literacy enables you to:

1. Build wealth
2. Protect yourself in case of emergencies
3. Achieve your goals
4. Afford the things you really want
5. Protect and care for your family
6. Enjoy a happy retirement
7. Live without money-stress

2. Presenting the EUROINVESTMENT Game

2.1. Present the 3 blocks and its structure

The EUROINVESTMENT Game consists of 15 minigames about financial management which are divided into three different areas according to different levels of complexity, aligned with the topics presented, from beginner to intermediate and expert.

The games about Planning & Managing address the beginner level and so have lower complexity. We recommend you to start from there. Even if you are familiar with some of the topics presented at that level, you will be able to remember concepts and put them into practice. On the contrary, the games about Risk & Credit will demand from you some command of financial concepts. Further, you can take each mini-game as much as you want. Taking each game more than once can help you to consolidate their knowledge and understanding of the most relevant concepts and how to use them in your daily life.

Main areas:

- Planning & Managing

This game series will help you to learn the basics of financial planning to ensure and achieve your personal goals as a result of smart money management.

The mini-game 1 "Financial Checkup" gives you the information to understand how to assess your personal finances to start controlling your financial well-being. In the end, you will get a financial health grade and some ideas for improving your financial well-being. Following this, the mini-game 2 "Make Ends Meet" gives you a simple budget to plan and control your personal spending and begin to priorities' within the constraints of limited resources. The mini-game 3 "Rainy Day Fund" calculates how much you need to save for a rainy day, according to different variables and priorities, tells you the steps you must follow to build your own Rainy Day Fund. Next in line, the mini-game 4 "Nest Eggs" classify some expenses related to different personal goals (Study Abroad, House Renovation and Having a Baby) to find out how much you will need to save regularly to reach your goals in time and build a savings plan for each goal. Finally, the mini-game 5 "Retirement Clock" calculate how much you need to save, overestimate how much you can safely withdraw each year from your nest eggs during retirement and see which financial areas you may need to brush up on before retirement.

- Money & Transactions

This game series will help you identify and understand business transactions using a discount, interest, taxes, and currency conversions.



The mini-game 1, "Choose and join", explores the concept of the exchange rate. By playing this game you will be able to count notes and coins to make an amount and convert that amount into a different currency. To deepen your knowledge about the exchange rate concept, the mini-game 2, "Let's exchange", explores the concept again, so you can learn how to apply currency exchange rates for an available budget. The mini-game 3, "Score a goal", introduces you to the concept of Trade discount. The completion of this game allows you to identify the notion of discount and understand how to proceed to complete a transaction. Following this, the mini-game 4, "Play with interests", provides you with a deeper understanding of the concept of the interest rate. By playing this game you will be able to identify the notion of the interest rate when you buy a product or a service and will know how to proceed with a transaction. The last game of this series, the mini-game 5, "Find the way out", promotes the understanding of the Value Added Tax (VAT) concept. Upon completion of the mini-game, you will be able to identify the notion of Value Added Tax in a business transaction.

- Risk & Credit

This game series will help you understand the concept of credit enabling you to make more responsible choices when you consider saving or borrow money.

The mini-game 1 "Let's do some profiling" introduces you to the concept of credit. By playing the game you will understand how the bank assesses a credible customer. Following this, the mini-game 2 "The essence of interest rates" presents the concept of interest rate and allows you to calculate the amount of interest you will end up paying for your financial decisions. The mini-game 3 "Interest rate and the magic of compounding" helps you to distinguish between simple and compound interest rates and their different impacts on your finances. Next in line, the mini-game 4 "Types of personal accounts" promotes the understanding of your individual financial needs and the types of loans that best suit different scenarios. Finally, the mini-game 5 "Do I use the debit card, or the credit card ... and what is the difference?" handles on the differences between debit and credit cards, to help you select the correct method of payment to the best effect of its qualities.

Throughout the EUROINVESTMENT Game, you can browse the list of minigames per category. At the beginning of each game, you will find a walkthrough tutorial. It is recommended that you make sure you are connected to the Internet and that your computer audio works properly.

All minigames include a training or informative section called "Train your Brain" where you can find all the information related to the concepts, topics and advice which are important for the understanding of the game and its objective.

Also, at the end of each minigame, you will find:

- The main competencies you will work on.
- Recommended links and additional info in case you want to learn more about the minigame topic.

2.2. How to play EUROINVESTMENT Game

The games are built using multimedia elements. In particular, they include images, text, audio and videos. To have an efficient game experience you are advised to take into consideration the following tips:

- Make sure that you are connected to the Internet and that your computer audio works properly.
- It is better to use a cable connection rather than a WI-FI connection, although they both work well.
- The games do not load the same to all browsers. The software loads better to browsers that fully support HTML5 (Mozilla Firefox, Google Chrome, etc.).
- If a game does not display the subtitles, you need to RELOAD the game.
- Some games include a calculator that allows you to calculate amounts. The calculator does not display the equation symbols (+, -, etc.) but it works properly. Also, you are advised to keep notes about the amounts during the calculations.
- If the games are paused for a long time you may experience issues with the subtitles (not showing). In such cases, you need to RESTART the games.
- You are advised to go through the Train Your Brain section carefully to gain a complete understanding of the financial concepts of the game before starting to play.



2.3. Games Descriptions

A. Planning & Managing mini-games

FINANCIAL CHECK-UP

*The mini-game “Financial Check-up” promotes the understanding of how to assess your personal finances, your savings and your expenses, to start controlling your financial well-being.

Description of the objective of the game



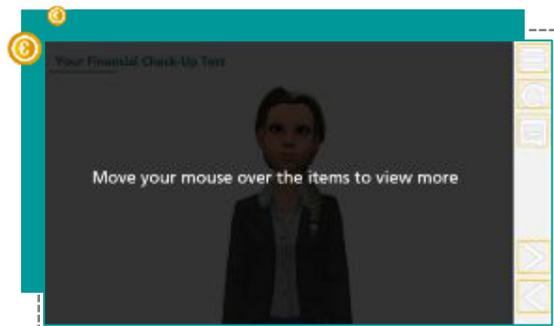
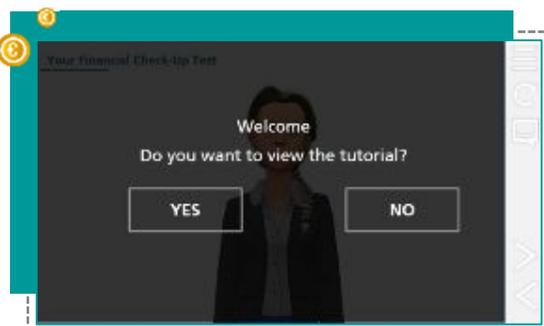
Financial Check-up is the first minigame in this series and its objective is that you get the information you need to know how your real financial situation is and how to deal with it.

Through the completion of a test about financial health at home, you will get a diagnosis depending on your answers.

When they get all this information, they will know what their problems are, and they will learn how to solve and react to them through some advice to manage better their financial situation.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how can you navigate in the game and the toolbar options.





At the beginning of the game, the **game objective** is displayed: “Upon completion of the mini-game you will be able to understand how to assess your personal finances, your savings and your expenses, to start controlling your financial well-being”. Think if you have heard about this anywhere.



After the presentation of the game objective, the real-based environment is presented to the users, enabling them of understanding the **scenario of the game and the real situation where the concept of Financial Well-being will have to be used**. We hope that the scenario presents to you a useful situation!



Before digging in the real game, the users will have access to the section “**train your brain**”. This section aims to present to you the concept(s) that the games aim to explore. In this case, the concept of Financial Well-being and all its management procedures and tools are presented.

Please note that, besides having the chance of learning and understanding the concepts, you can also see different examples of how to manage a home budget and different possible financial situations.

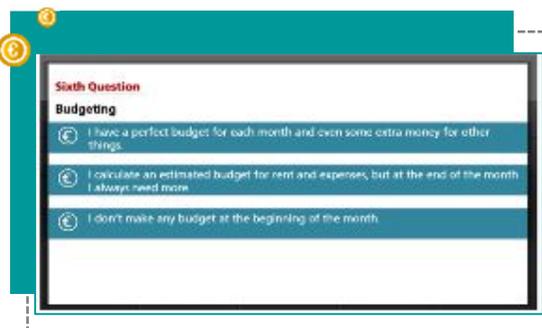
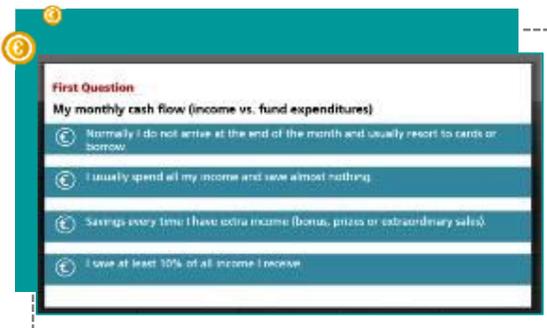


Following this introductory section of the game, you will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to help you. Take advantage of them!

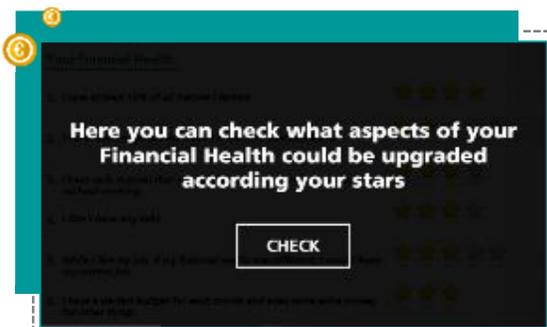


In this specific game, you will have to answer six multiple-choice questions (one per bill) in which you will find different types of answers. You must choose the answer which best fits you regarding their situation. It is important that the selection of the bills is in order, you cannot choose the one you prefer, only the first available (on the left).

The questions cover topics such as “My monthly cash flow (income vs. fund expenditures”, “My investments”, “My savings”, “My indebtedness”, “Budgeting” or “My job”.



In this mini-game, there won't be correct or wrong answers since is just a check on how your financial situation is, so any answer is valid. Furthermore, thanks to that, your diagnosis can be truly adapted and the advice offered at the end can have a better impact on you!



However, It is difficult to perceive in advance why an option could be better than other so, some self-questions you may consider are:

- Did I read carefully the “train your brain” session? Did I get the concept of “Budgeting”?
- Did I understand the meaning of the “Indebtedness”?
- Which aspects did I consider to identify financial problems?

TIP: remind that you should read the final advice page, not only regarding your own situation but also, to be informed about the best way to be prepared for a stable financial situation.



When you have completed all the mini-game, an “End of game” message will be displayed, with two options:

- To restart the game from the beginning
- To exit the game



Competencies developed in each game

With this game, you will be able to develop the following competencies:

- To understand how to assess your personal finances.
- To start controlling your financial well-being.
- To identify what problems may you have.
- To know how to act in these problems.

MAKE ENDS MEET

*The mini game “Make ends meet”, prepares to understand the importance of keeping track of personal finances to ensure our well-being. By playing this game you will be able to use a simple budget to plan and control your personal spending and begin to prioritize within the constraints of limited resources *

Description of the objective of the game



The objective of this game is to understand the importance of keeping track of personal finances to ensure your well-being. Playing this game, you will learn how to prepare your personal budget by identifying mandatory fixed expenses, necessary variable expenses and discretionary expenses.

A guide that indicates you what to spend your money and in which categories most of your income goes, which could help you to put a limit on your expenses and consequently approach your financial goals.

Preparing a budget consists of knowing how to adapt your most flexible expenses to the disposable income. Making a personal budget will help you to know your economic reality in order to make better financial decisions. To make the budget you will need to know what are your incomes (those we receive, such as salaries, payments, gifts, tips, etc.) and expenses (those we deliver for goods and services) that you have.

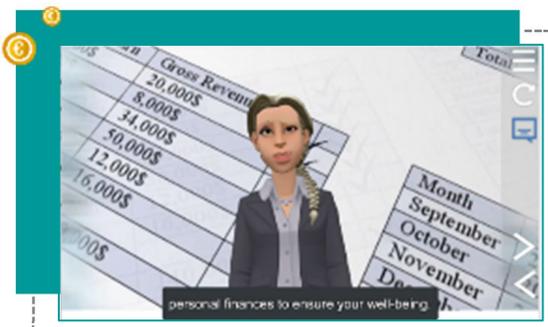
You will take into account:

- **necessary fixed expenses** (required to survive and we cannot easily change (rent);
- **necessary variable expenses** (required for day-to-day, but we can modify (food, clothing, water bill, etc.)
- and finally, **discretionary expenses** (everything else (video games, cinema, restaurants, travel, etc.).

Learning how to make a budget is vital for your personal economy, which is essential for you to differentiate you from the rest of the people in managing your money and to prosper financially. No matter the level of income you have, a personal budget is an essential tool to get more out of the money you receive, and that shows you where your money has been spent.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how the user can navigate in the game and the toolbar options.



At the beginning of the game, the **game objective** is displayed: “By the end of this playing this game you will understand the importance of keeping track of personal finances to ensure your well-being. Preparing a budget consists of knowing how to adapt the most flexible expenses to the disposable income.

Likewise, the budget can have two results:

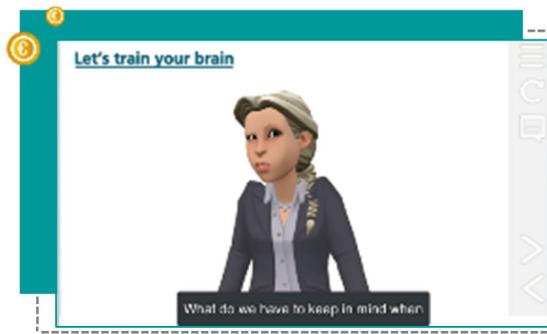
- **Surplus:** we have money left over and we can save.
- **Deficit:** We lack money and we can have problems.

Think if you have heard about this anywhere.



After the presentation of the game objective, the real-based environment is presented to the users, enabling them of understanding the **scenario of the game and the real situation where the concept of a personal budget will have to be used**. We hope that the scenario presents to you a useful situation!

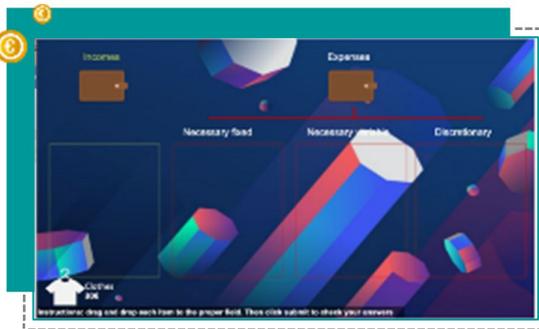
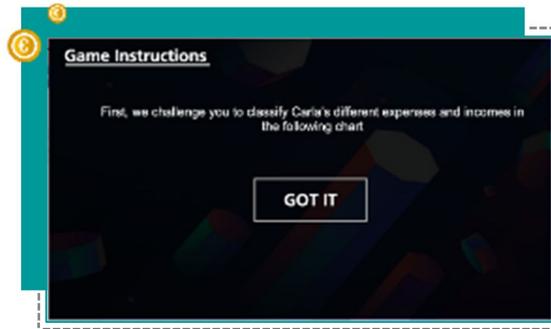
Before digging in the real game, the users will have access to the section **“train your brain”**. This section aims to present to you the concept(s) that the game aims to explore. In this case, the concept of making a personal budget is presented. Please pay attention to the information displayed in this section of the game!



You have probably already heard about the concepts that are presented to you... on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts...

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real personal budget with expenses and incomes being applied (in this case the personal budget from Carla’s new partial-time job).

Following this introductory section of the game, the users will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Please do not ignore them.



In this specific game, you will have to classify Carla's different expenses and incomes. You will have the chance to select and move: clothes, rental, cleaning, to the different expenses (fixed, variable or discretionary). You can observe that Carla's personal budget results in a deficit of 46 euros.

The challenge is to obtain a surplus result and she can fulfill becoming independent from her parents' house. Do you dare to help her? You will have several questions to answer taking into account if they are GOOD or BAD ideas. For example, is it a good idea that Carla goes to the cinema only once a month, spending €10 instead of €40? You should think about the situation of Carla's income and expenses and make the choice.



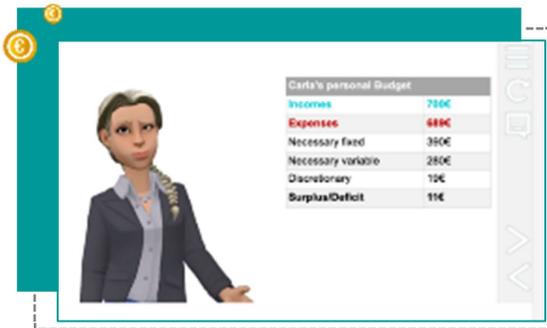
If you provide an answer that is not correct, a friendly warning message will be displayed, with the option TO CONTINUE to repeat again the question.

What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

- Did I get the concept right?
- Did I consider correctly the options to make the decision?
- Did you understand the meanings of the necessary expenses (fixed, variable or discretionary)?



On the opposite, if you provide a correct answer, a “congratulations” message will be displayed and you would continue to the following questions.

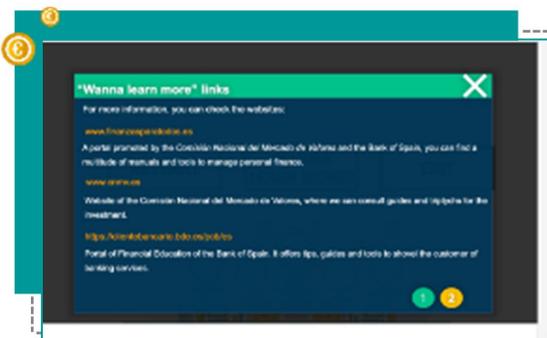


After all questions, you will understand all the concepts that have to assess whether the budget results in a surplus or deficit. In the event that you obtain a deficit as a result you must readjust the expenses to be able to assume them.



When you complete the mini-game, an “End of game” message will be displayed, with three options for the users:

- To restart the game from the beginning
- To go to the section “wanna learn more?”
- To exit the game



When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of a personal budget, with information and links of tips and guides.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what a personal budget is
- To understand the importance of keeping track of personal finances to ensure our well-being.
- To adapt the most flexible expenses to the disposable income.
- To reserve a percentage each month to be able to save



RAINY DAYS

*The mini game “Rainy days “, put some ideas into practice to save money for a rainy day without having to rework your entire budget. By playing this game you will calculate how much you need to save for a rainy day according to different variables *

Description of the objective of the game



The objective of this game is to get some ideas into practice to save money for a rainy day without having to rework the trainees' entire budget. Playing this game with the trainees they will calculate how much they need to save for a rainy day according to different variables and prioritize the steps that they must follow to build their own Rainy Day Fund

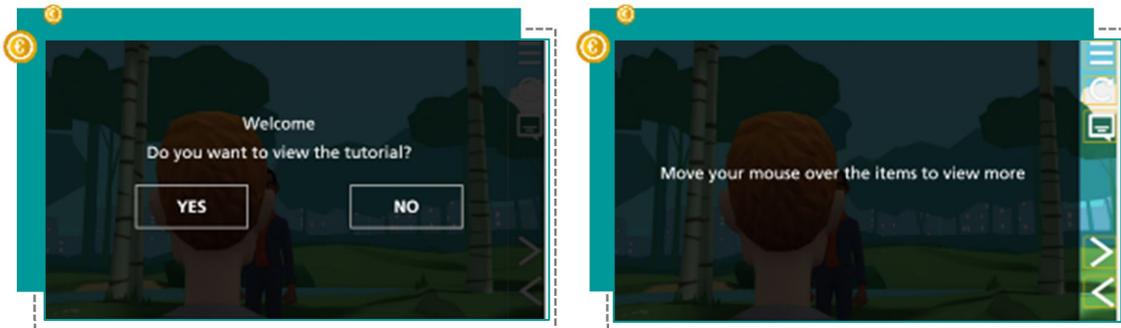
Saving for a rainy day is about expecting the unexpected. Rainy days (e.g. job loss, medical expenses, home repairs) can occur at any time. With an emergency fund (also known as a rainy day fund), you put yourself in a better position to deal with those circumstances.

- Emergency fund or Rainy Day Fund:** It is a savings account used for a *rainy day*. This savings account should be accessible (i.e. liquid) when emergency strikes. The actual amount in an emergency fund will differ depending on your financial situation. Many financial experts suggest that your emergency account should have enough money to cover three to six months of your living expenses.

The reality is that disaster can strike at any time and happen to anyone. A *Rainy Day Fund* can help us and our loved ones better cope financially in these instances. It takes time to build an emergency fund that can maintain your monthly expenses for a period of time.
- Savings Account:** A deposit account that earns interest and is issued by a bank. Not risky. No restrictions on withdrawals. Low or no minimum balances required. Lowest interest rates. Some banks charge fees for opening and maintaining accounts.

Explanation of the game process

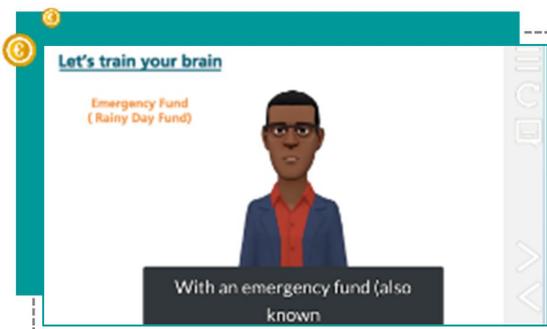
When starting the game, a **tutorial** is available for the users, aiming to explain how the user can navigate in the game and the toolbar options.

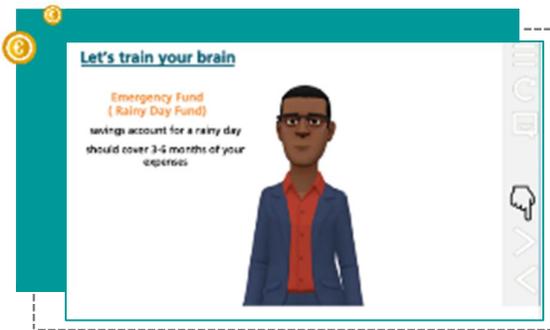


At the beginning of the game, the real-based environment is presented to the users, enabling them of understanding the **scenario of the game and the real situation where the concept of rainy day fund will have to be used**. Think if you have heard about this anywhere. We hope that the scenario presents to you a useful situation!



Before digging in the real game, the users will have access to the section **“train your brain”**. This section aims to present to you the concept(s) that the game aims to explore. In this case, the concept of making saving for a rainy day is presented. Please pay attention to the information displayed in this section of the game!

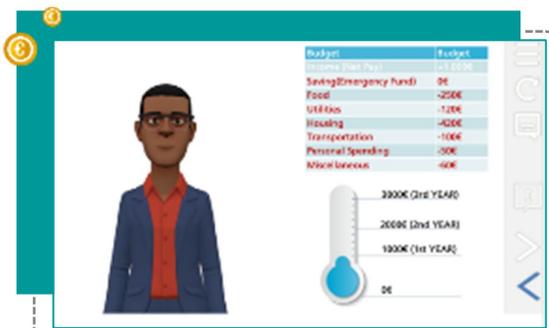
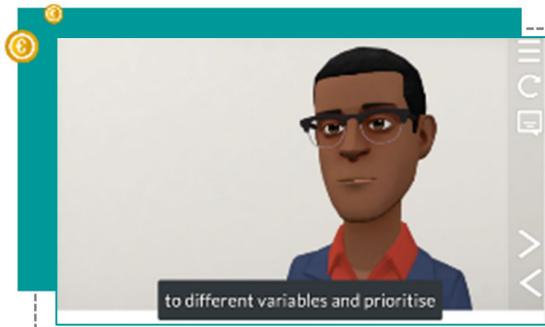




You have probably already heard about the concepts that are presented to you... on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts...

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real saving for a rainy day according to different variables and prioritize the steps that you must follow to build your own *Rainy Day Fund* as soon as possible (in this case, before the car breaks down).

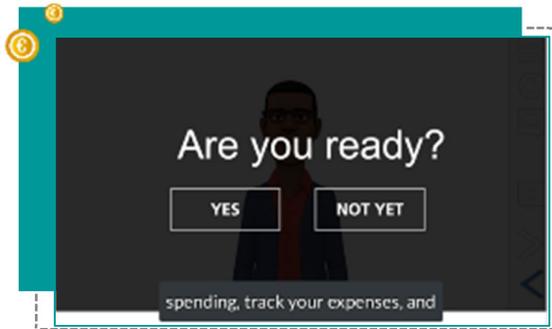
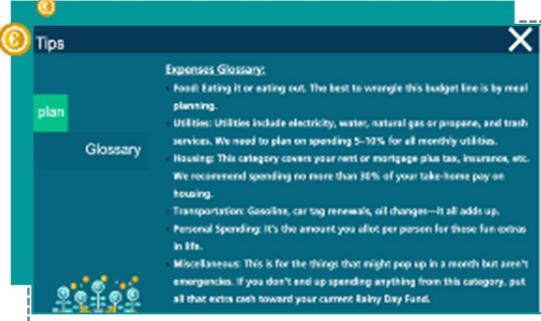
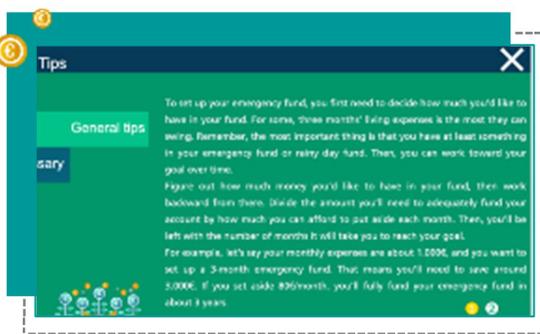
Following this introductory section of the game, the users will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Please do not ignore them.



In this specific game, you should calculate how much do you need to save for a *rainy day* according to different variables and prioritize the steps that you must follow to build your own *Rainy Day Fund* as soon as possible (at least, before the car breaks down).

Following this, you will see a sheet with a monthly budget and savings thermometer. Based on your savings goals (three months of expenses for unexpected repairs), you see different sentences with some savings strategies to build your *Rainy Day Fund*. *You have to decide* which ones will be helpful and realistic to reach your goal. You buckle down, do the math, and see it's not so hard!

You can always use the **Tips** section to get more into the strategy of the game!



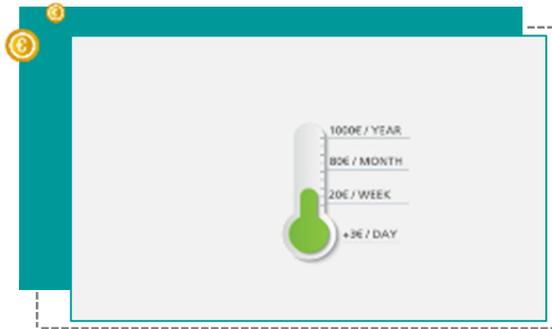
Before starting the game “Are you ready?” message will be displayed and you should select the option. Make sure that you are ready if not take a look at your budget.



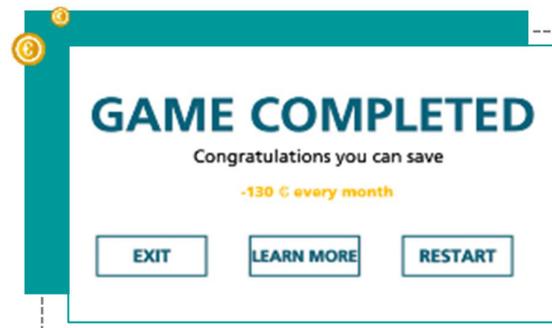
Following this, you will choose the thumb up or down in order to answer several questions. You should think about the different sentences with some savings strategies to build your *Rainy Day Fund* and decide which ones will be helpful and realistic to reach their goal.



If the users provide an answer that is not correct, a friendly warning “INCORRECT” message will be displayed, and the users will pass to another question. What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, take into account the explanation as a feedback that will appear.



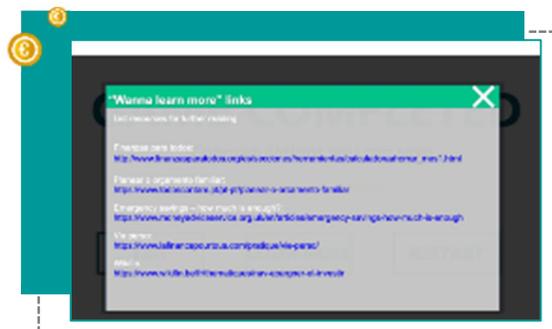
On the opposite, if you provide a correct answer, a “congratulations” message will be displayed and you would continue to the following questions. Also, you will see their emergency fund increase.



After all questions, you would see your emergency fund and what you save. In the same way, think about the importance to reserve a percentage each month to be able to save and have an emergency fund.

Then, a “game completed” message will be displayed, with three options for the user:

- To restart the game from the beginning
- To go to the section “wanna learn more?”
- To exit the game.



When completing the game with the correct answer, you will have **access to additional resources** that he/she can consult to learn more about the concept of saving for a rainy day, with information and links.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what emergency fund is
- To understand that takes time to build an emergency fund that can maintain your monthly expenses for a period of time.
- Take into account that his/her individual life needs will affect his savings strategies
- To reserve a percentage each month to be able to save.

NEST EGGS

The mini game “Nest eggs“, classify some expenses related to different personal goals (Study Abroad, House Renovation and Having a Baby) to find out how much you will need to save regularly to reach your goals in time and build a savings plan for each goal.

Description of the objective of the game



The objective of this game is to classify some expenses related to your different personal goals (Study Abroad, House Renovation and Having a Baby) to find out how much you will need to save regularly to reach your goals in time and build a savings plan for each goal.

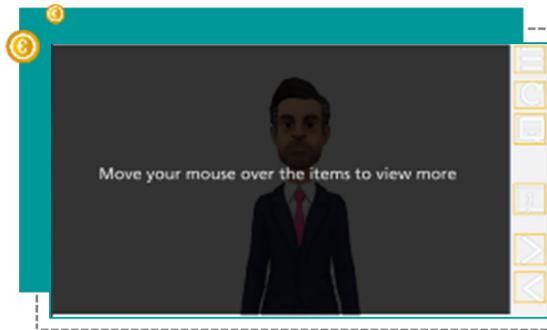
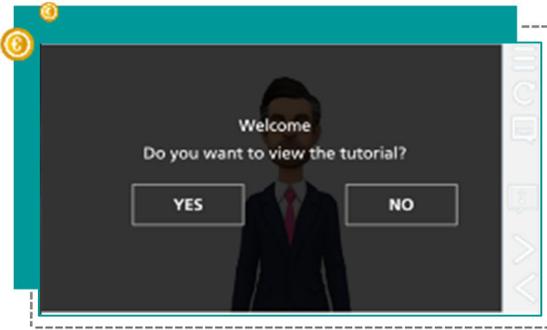
Playing this game will help you to understand that taking control of your financial life requires planning, and that starts with setting goals. The goals you set should be specific and have a timeframe attached to them. For example, if your goal might be to save 10€ per week during the next year for a new computer.

This is a **SMART** goal that is **Specific, Measurable, Achievable, Realistic and Time-bound**. Once you have brainstormed some SMART goals, prioritize them according to what is most urgent or most important to you. Make sure each goal has a time frame and then chart their progress each week. Your financial goals are the most important expenses do you have.

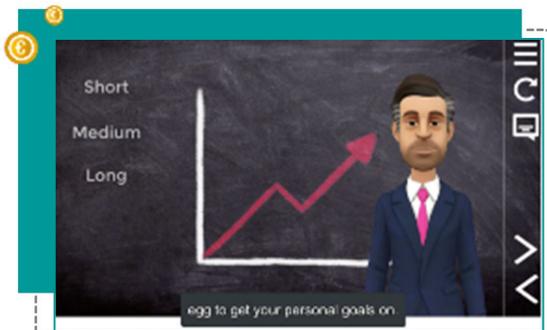
If you do not treat them that way, they will be tempted to spend money on other things, especially those variable expenses like food, clothing and entertainment.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how the user can navigate in the game and the toolbar options.

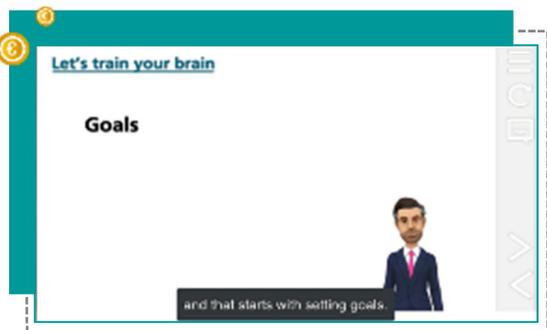


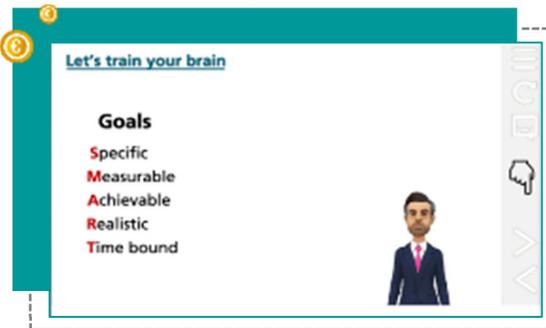
At the beginning of the game, the **game objective** is displayed: “By the end of this game you will be able to identify short, medium and long term needs and build a nest egg to get your personal goals on.” Think if you have heard about this anywhere.



After the presentation of the game objective, the real-based environment is presented to the users, enabling them of understanding the **scenario of the game and the real situation where the concept of building a nest egg to get your personal goal will have to be used**. We hope that the scenario presents to you a useful situation!

Before digging in the real game, the users will have access to the section “**train your brain**”. This section aims to present to you the concept(s) that the game aims to explore. In this case, the concept of getting your personal goal is presented. Please pay attention to the information displayed in this section of the game!

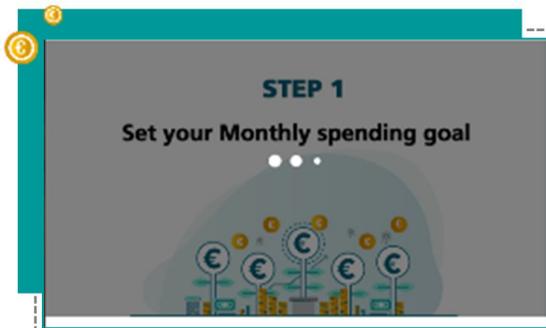
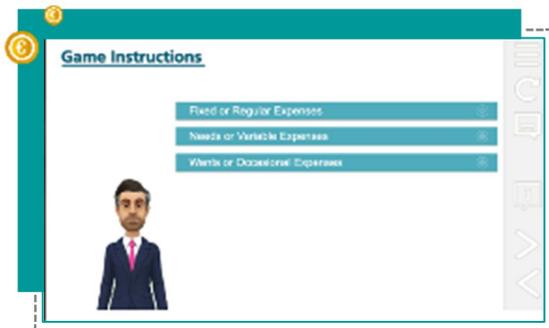




You have probably already heard about the concepts that are presented to you... on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts...

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real spending plan goal being applied (in this case get Maria’s personal goal).

Following this introductory section of the game, the users will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Please do not ignore them.

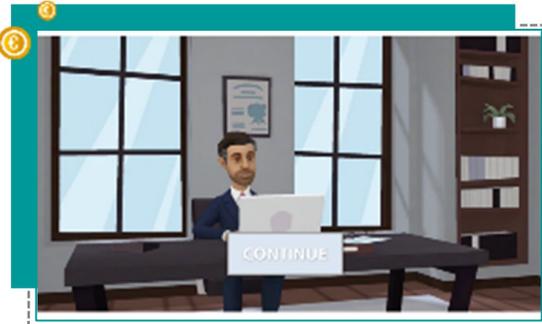


In this specific game, you will have to find out how much you will need to save regularly to reach your SMART goals in time and build a savings plan for each goal. Use your personal financial plan to identify how much you need to save each month or each week to meet your SMART goals.

Use a spending plan to ensure your daily spending habits don't overwhelm your goals. Then, classify your expenditures between **“Fixed or Regular Expenses”** (bills that you pay each month and tend to be the same amount), **“Needs or Variable Expenses”** (things you need each month that vary in price) and **“Wants or Occasional Expenses”** (things you buy, but you probably could live without).

Choose the best strategy in each case according to your plan. Identify your expenses and sources of income. Develop your spending plan and set your SMART goals according to the next worksheets.

Each step will challenge choosing the best strategy for the trainees' monthly spending plan, analyze information, set SMART goals, Improve Spending Plan to achieve the SMART goals and select the best way to track spending in the best way that fits in your lifestyle.

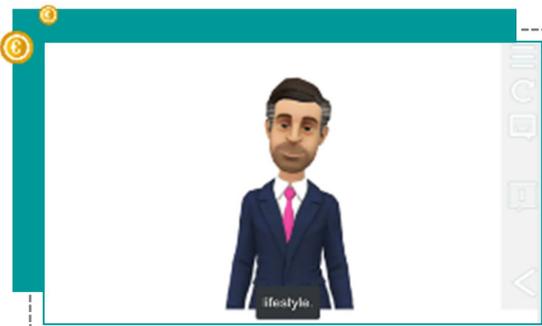


If you provide an answer that is not correct, a friendly warning message will be displayed, with the option CONTINUE to repeat the question again. Exceptionally, in STEP 1 if you provide an answer that is not correct, TRY AGAIN OR RE-TRAIN YOUR BRAIN message will be displayed and you have to select.

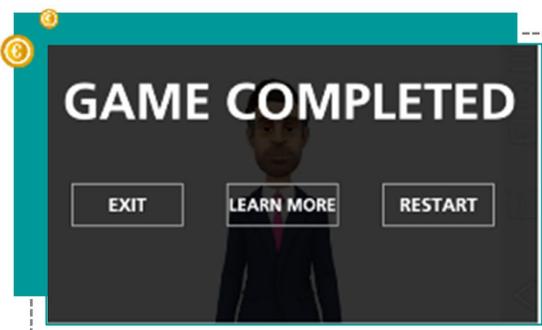
What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

- Did I understand the concept of spending plan?
- Did I understand the meanings of the “Fixed or Regular Expenses”, “Needs or Variable Expenses” or “Wants or Occasional Expenses”?

On the opposite, if you provide a correct answer, a “congratulations” message will be displayed and you would continue to the following questions.

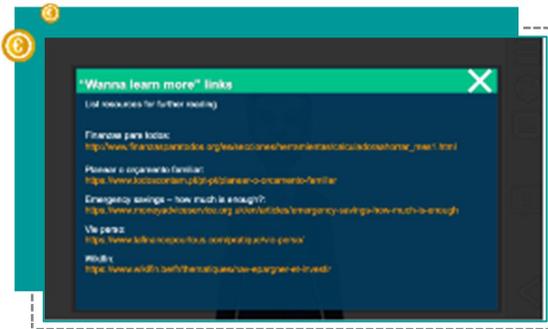


After all questions, you will get your own strategy to get your goal. You understand that a **spending plan** is a simple strategy for making the most of your money and reaching your financial goals. The right spending plan can help you set aside enough to pay your bills, have some savings for emergencies, and some money leftover in your pocket every month.



When the users completed all the mini-game “Game completed ” message will be displayed, with three options for the users:

- To restart the game from the beginning
- To go to the section “ learn more?”
- To exit the game



When completing the game with the correct answer, users will have **access to additional resources** that he/she can consult to learn more about the concept of getting a personal goal, with information and links.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what a spending plan is
- To understand the importance of taking control of financial life requires planning, and that starts with setting goals.
- To know that goals can be identified as **short-term goals, medium-term goals, and long-term goals**.

RETIREMENT CLOCK

*The mini-game “Retirement Clock” promotes the understanding of how important it is to make financial decisions thinking about the future, and the importance of not borrowing heavily or living above the possibilities.

Description of the objective of the game



The objective of this game is to explore the concept of Career management and future financial decisions and make you aware of how many ways of preparing the future are possible.

Furthermore, it draws attention to the fact that Retirement incomes depend on both personal and public contributions.

Upon completion of the minigame, you will:

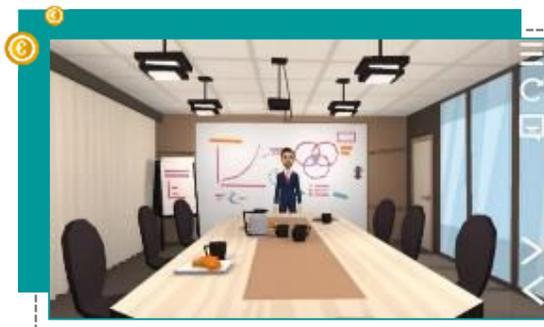
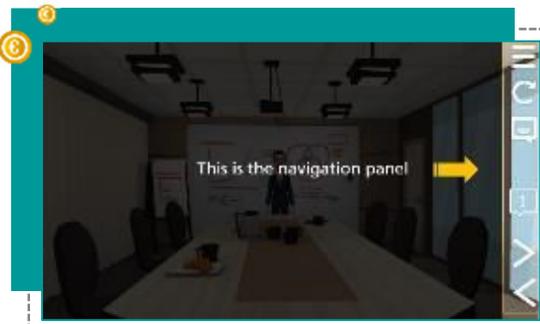
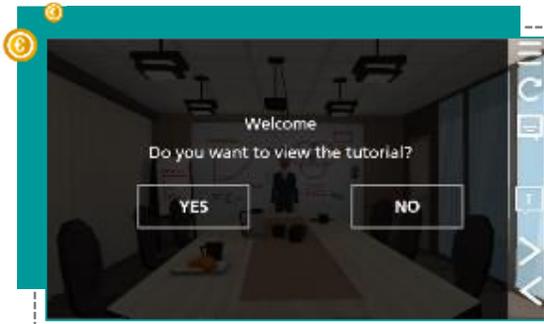
- Obtain the first job
- Get Promoted
- Manage a career
- Make housing decisions
- Make transportation decisions
- Make future decisions for retirement funds

You will have to make decisions based on the previous options you have been deciding, which will allow you to earn more or less money and have more or fewer expenses.

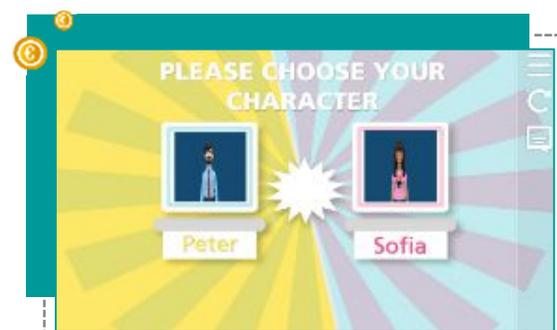
This will also allow you to allocate a portion of your savings to your future retirement, but without neglecting the management of your current income. Based on your decisions, you will have a better retirement or not, learning how important is to plan and manage our future.

Explanation of the game process

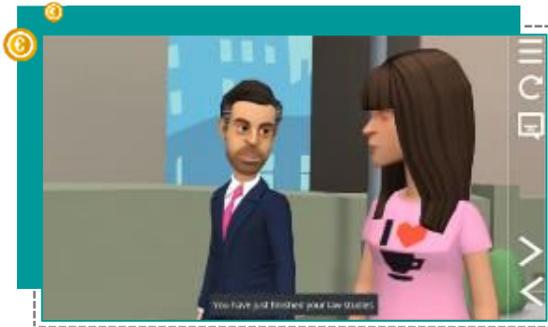
When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options.



At the beginning of the game, the **game objective** is displayed: "By the end of the game you will have learned how important is to make financial decisions thinking about the future and the importance of not borrowing heavily or living above the possibilities." Think if you have heard about this anywhere or if you have ever experienced this.



After the presentation of the game objective, you must start making decisions in order to achieve your ideal lifestyle. The first selection is choosing a character! Throughout the game, you will be able to see different lifestyles and will be able to see the consequences of the decisions you make. We hope that the scenario presents to you a useful situation!



After the character selection, the real-based environment will be presented to you, enabling the understanding of the **game scenario** and the real situation where the concept of Career management, future financial decisions and retirement funds will have to be used. It's now when you start to build your future, make housing and transportation decisions.



Before digging in the real game, you will have access to the section “**train your brain**”. This section aims to present to you the concept(s) that the games aim to explore.

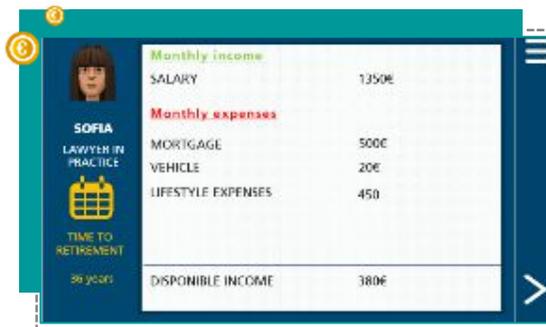
In this case, the concept of Career management and future financial decisions is presented, so please pay attention to it!

Please note that, besides having the chance of learning and understanding the concept, you can also see different examples of lifestyles and savings so they will be able to see the consequences of the decisions they make.



Following this introductory section of the game, you will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to help you. Take advantage of them!

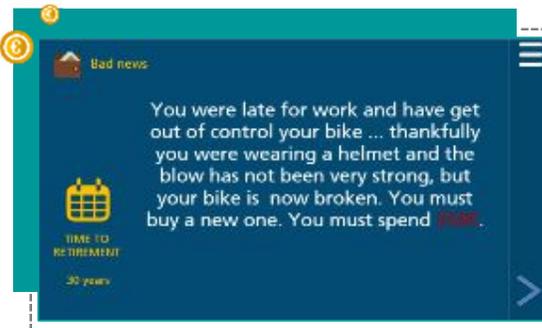
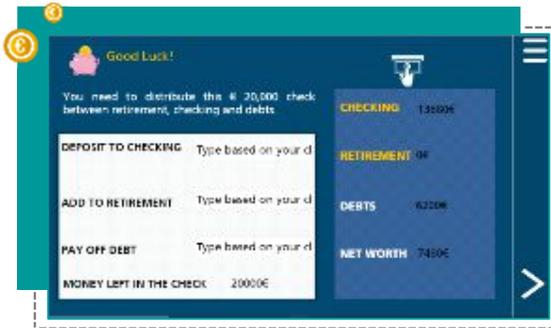
In this specific game, you will have to simulate the labour life of the chosen character, living your important moments with your conditions.



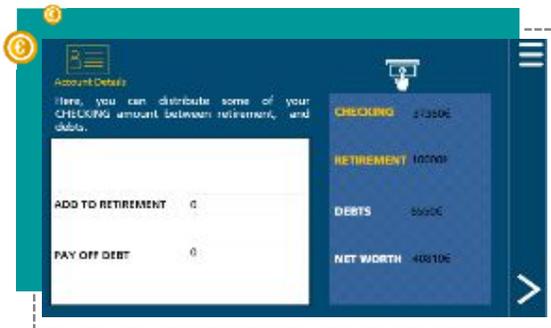
Different questions relating to the character's job position, new business opportunities and eventualities will be surging through the game. The challenge is to manage all incomes and expenses over time until the moment of the character's retirement arrives.

It is important to make sure you understand that in the game, the time will be running, concretely, **3 years between question cards.**

In this mini-game, there won't be correct or wrong answers since is just one of the possible lifestyles, so any answer is valid. Depending on what answer you choose, you will receive a bigger or smaller amount of money and sometimes, you will lose a bigger or smaller amount of money.



After each question card, depending on your choice there can be a Manage card where you must decide how to distribute an extra check (if you are lucky) between retirement, checking and debts or a review card where you can see the results of having bad news.



The most important part of the game is the option “Account Details”. There, you can distribute your incomes (checking) in order to pay your debts or to increase your retirement savings every time they see its icon. Don’t forget to use it!



If you provide a distribution that is not correct (more money than the amount you have) a friendly warning message will be displayed, giving the possibility of trying again the exercise.

What could have been the problem? It is difficult to perceive in advance why the answer is wrong...

However, some self-questions for you to consider are:

- Did I read carefully the “train your brain” session?
- Did I understand the different concepts of the account details?

TIP: Don’t forget that the goal of the game is to reach retirement age with enough money to live a full life without having to work the last years of life. The more money you set aside for retirement, the better lifestyle you will have at the end of the game.

The most important thing in this game is not to live above expectations. And know how to decide well where to invest money.



From question card to question card, a Time to Review card sometimes appears to facilitate you better management of your character’s lifestyle. This means, that you can make again housing and transportation decisions if you want to change the first selected ones.



When the Time to Retirement reaches zero, you won’t have more opportunities to save or invest money, the future will have arrived. In the game, to make it real, interests will be applied to your accounts and you will see a message of your expectant retired life.



Depending on your secured years of retirement, you will receive different advice in order to understand the importance of making financial decisions thinking about the future, and the importance of not borrowing heavily or living above the possibilities.



When you have completed all the mini-game, an “End of game” message will be displayed, with two options:

- To restart the game from the beginning
- To exit the game

Competences developed in each game

With this game, you will be able to develop the following competences:

- To manage financial decisions about lifestyle
- To manage a career
- To understand the importance of planning and saving
- To understand the consequences of borrowing heavily or living above the possibilities.

B. Money & Transactions minigames

CHOOSE AND JOIN



The mini-game “Choose and Join”, explores the concept of the exchange rate. By playing this game you will be able to count notes and coins to make an amount and convert that amount into a different currency

Description of the objective of the game



The objective of this game is to explore the concept of an exchange rate and make you aware of the need of understanding what is an exchange rate and how to convert a given amount in currency to a different currency.

You will also understand that the EURO is a single currency from a group of countries in the European Union which is an advantage (for citizens and businesses in general).

In a world full of opportunities to travel and to work abroad, you need to be familiar with this concept and learn how to use it. Even though most of the countries of the European Union use the same currency (EURO) and thus converting money to another currency is not a daily need for everyone, there are still countries inside the union that remain using their national currencies, namely:

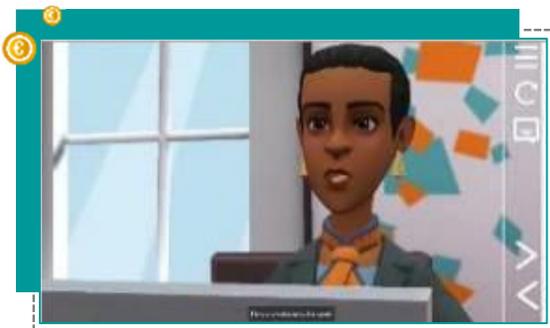
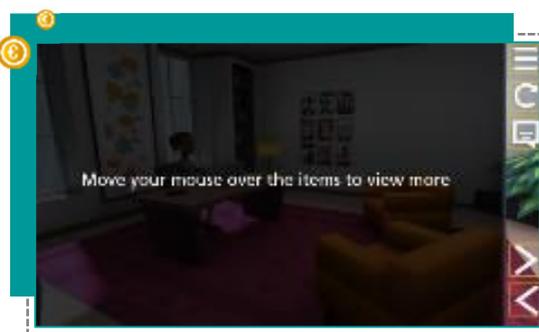
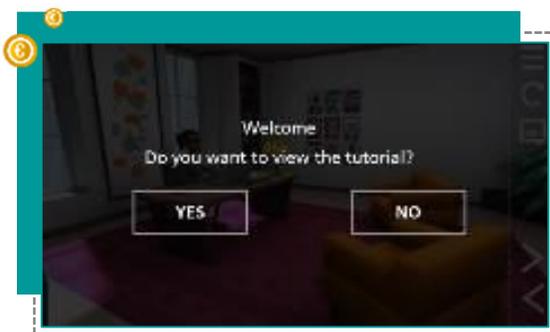
- Bulgaria
- Croatia
- Czechia
- Denmark
- Hungary
- Poland
- Romania
- Sweden

Looking outside the European Union, each country has its currency and so if you travel to any of those countries the understanding of what is an exchange rate, where to find information about it and how to use it daily is very important.

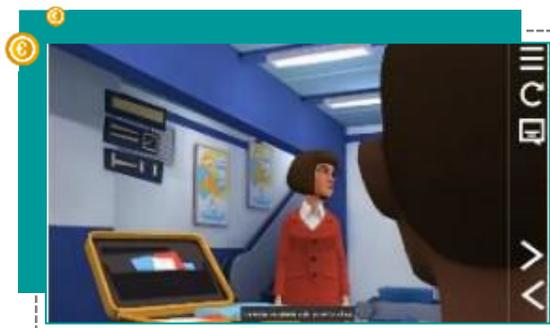
At the same time, the game also contributes to improving your skills in counting notes and coins to perform an amount.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options.



At the beginning of the game, the **game objective** is displayed: "Upon completion of the mini-game you will be able to count notes and coins to make an amount and convert that amount into a different currency". Think if you have heard about this anywhere.

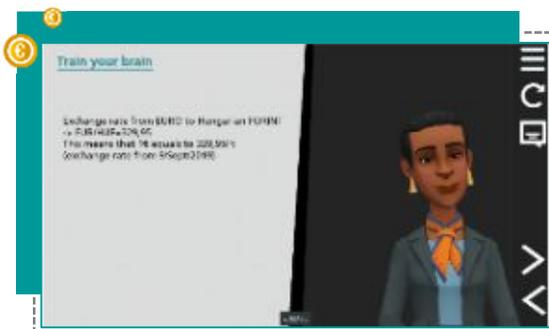


After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of the exchange rate will have to be used**. We hope that the scenario presents to you a useful situation!

Before digging in the real game, you can access the section “train your brain”.



This section is important as it aims to present to you the concept(s) that the games aim to explore. In this case, the concept of the exchange rate is presented. Please pay attention to the information displayed in this section of the game!



Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real exchange rate is applied (in this case the exchange rate from EURO to Hungarian Forint, the currency in use in Hungary).

It is important to highlight that the exchange rates provided are the rates available on 9th September 2019 and thus they might not correspond to the real staff rates.



Following this introductory section of the game, you can finally **play the game** and use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Please do not ignore them.

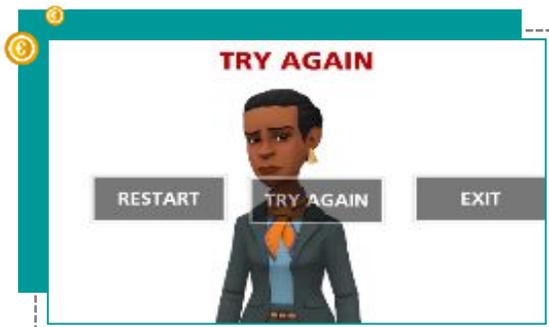
In this specific game, you will have to choose which amount of EURO you intent to exchange into Hungarian Forints. You can select 20€, 50€ or 100€.



After you have selected the amount in EURO to convert, a set of Hungarian Forints notes and coins will be displayed for you to pick them, sum them to reach the desired amount in Hungarian Forints, and add them to the wallet. When you reach the necessary amount, click in the wallet to see the result. Shall you need it, a calculator is available at the options bar located at the right side of the screen.

If you provide an answer that is not correct, a friendly warning message will be displayed, with three options:

- To restart the game from the beginning
- To try again the exercise
- To exit the game

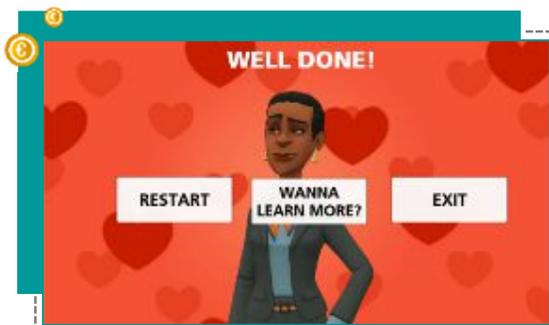


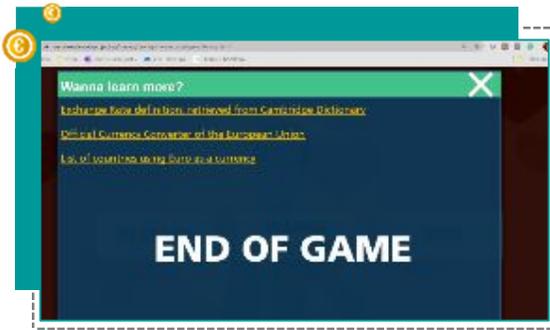
What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

- Did I get the concept right?
- Did I calculate correctly the amount in Hungarian Forints?
- Did I use all the coins to put the correct amount of Hungarian Forints in the wallet?

On the opposite, if you provide a correct answer, a “well done” message will be displayed, with three options for the user:

- To restart the game from the beginning
- To go to the section “wanna learn more?”
- To exit the game





When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of the exchange rate, the list of countries using EURO and the link to the official currency converter of the European Union.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what an exchange rate is
- To understand that this rate is volatile, subject to change over time
- To know how to convert amounts from one currency to another currency
- To count notes and coins correctly.

LET'S EXCHANGE

The mini-game “Let’s Exchange”, explores the concept of the exchange rate. By playing this game you will be able to apply currency exchange rates for an available budget.

Description of the objective of the game



The objective of this game is to explore the concept of an exchange rate and make you aware of the need of understanding what is an exchange rate and how to apply currency exchange rates for an available budget.

This game also introduces you to the concept of “budget” as a limitation of how you can spend in a given moment or specific types of products or services (In other games you will have the opportunity to train your competences for managing a budget).

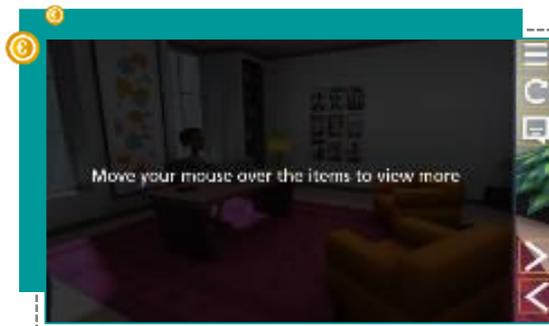
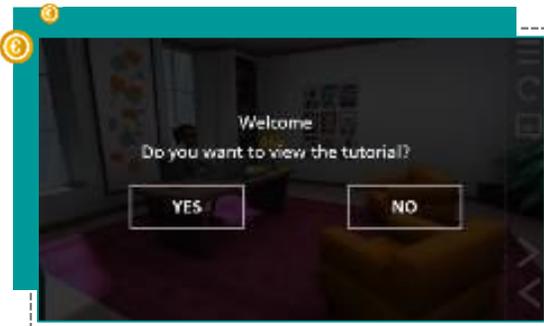
You will also understand that the EURO is a single currency from a group of countries in the European Union and the advantages (for citizens and businesses in general). Currently, eight countries in the European Union still use their national currencies:

Country	Currency	Country	Currency
Bulgaria	Bulgarian Lev	Hungary	Hungarian Forint
Croatia	Croatian Kuna	Poland	Polish Zloty
Czechia	Czech Koruna	Romania	Romanian Leu
Denmark	Danish Krone	Sweden	Swedish Krona

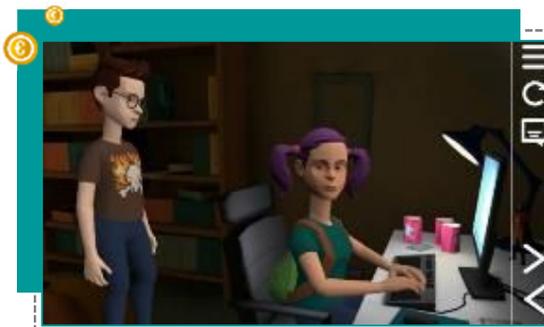
In a digital world, more and more transactions are being done online for buying goods and services. You can buy anything from an online shop or online services provider located anywhere in the globe, but while some of them sell in EURO, others offer products and services in other currencies than the EURO.

Explanation of the game process

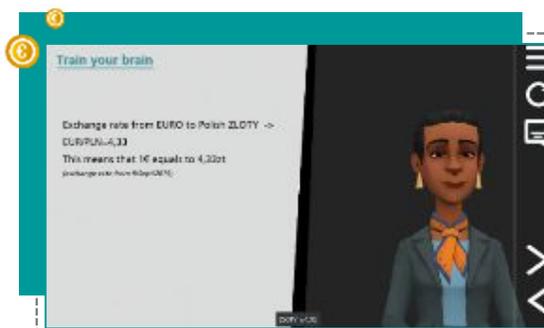
When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options.



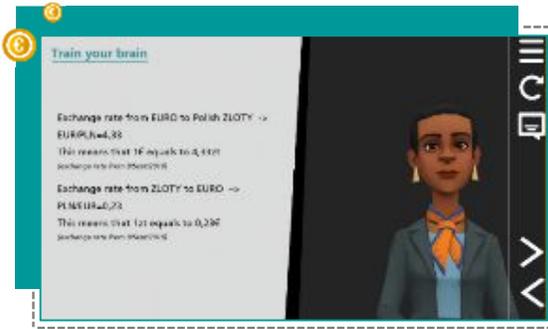
At the beginning of the game, the **game objective** is displayed: "Upon completion of the mini-game you will be able to apply currency exchange rates for an available budget". Think if you have heard about this anywhere or if you have ever experienced the need of using other currencies than EURO.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of the exchange rate will have to be used**. We hope that the scenario presents to you a useful situation!



Before initiating in the game, the users will have access to the section "**train your brain**". This section presents you with the concept(s) that the game will explore. In this case, the concept of the exchange rate is presented, so please pay attention to it!



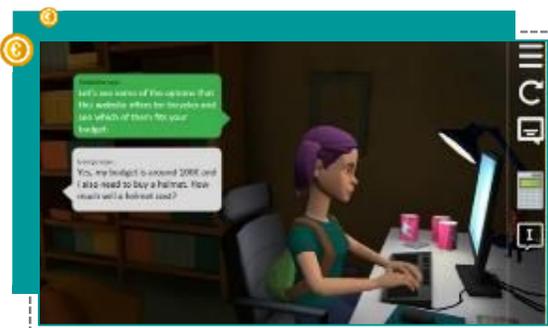
Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real exchange rate is applied (in this case the exchange rate from EURO to Polish Zloty, the currency in use in Poland).

It is important to highlight that the exchange rates provided are the rates available on 9th September 2019 and thus they might not correspond to the real staff rates.



Following this introductory section of the game, you have access to **playing the game** and to use the application of the concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Take advantage of them!



In this specific game, you will have to buy a bicycle and a helmet from a polish online shop knowing in advance that your budget is 100€ and that the prices are displayed in Polish Zlotys.

You will be presented with the price for a helmet in Polish Zlotys (60Zt) and **you must calculate how much is the 60Zt in EURO**.

Do not forget that you can use the calculator (at the right-side panel) and see the tips in the information bottom (explaining how to calculate the price of the helmet in Polish Zlotys). If you provide the correct answer a success message will be displayed, and you will be able to proceed with the game.



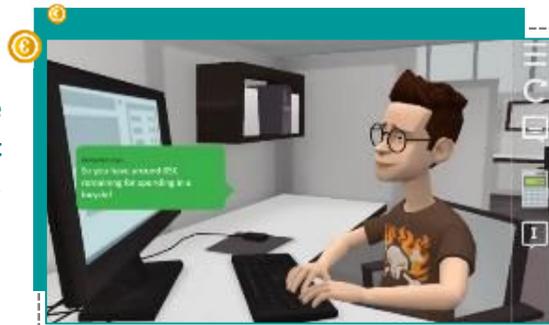
If you fail in calculating the price in EURO, a try again message will appear, and you must resume the game and re-do the calculation.

What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

- Did I get the concept right? You might consider going back to the “train the brain section”
- Did I correctly calculate the amount in EURO? Am I using the correct exchange rate?



After completing this exercise in the game, you will have to **find out what type of bicycle you can buy considering the remaining amount in EURO after having bought the helmet (85€).**



However, the prices for different models of bicycles are provided in Polish Zloty, meaning that **you will have to calculate the prices in EURO**, to identify the bicycle or bicycles that you can buy with the remaining budget. Remember: you can access a calculator at the right-side panel and some tips in the information bottom, which explains how to calculate the prices in EUROS.



TIP: There is more than one corrected question! You must calculate the prices of the different models in EUROS and select one that fits your available budget.

If you select one of the options that do not fit your available budget a try again message will appear, and you will be requested to resume the game and re-do the calculations.

What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

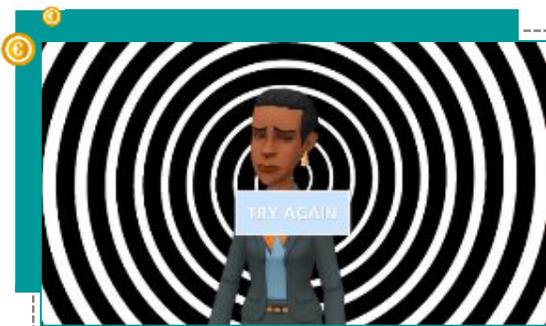
- Did I read carefully the “train your brain” session? Did I get the concept of “exchange rate” correctly?
- Did I correctly calculate the amount in EURO?
- Did I use the correct exchange rate value?.

Having selected one of the available bicycles that fit your budget, the game proceeds and you will have to do a new calculation to **confirm that you have selected a bicycle that you can pay for**, by calculating the exact price of the bicycle in EURO. Do not forget that you can use the calculator (at the right-side panel) and see the tips in the information bottom (explaining how to calculate the price in Polish Zlotys).



If you provide an answer that is not correct, a friendly warning message will be displayed to try again.

In this case, we suggest that you do some self-reflection as above.



If you provide a correct answer, a “well done” message will be displayed, with three options:

- To restart the game from the beginning
- To go to the section “wanna learn more?”
- To exit the game



When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of the exchange rate, the list of countries using EURO and the link to the official currency converter of the European Union, and a list of currencies in the world.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what an exchange rate is
- To understand that this rate is volatile, subject to change over time
- To know how to convert amounts from one currency to another currency
- To understand the basics of the concept of a budget.

SCORE A GOAL

*The mini-game “Score a Goal”, explores the concept of discount in a price and how to proceed in order to complete a transaction. A discount on a price of a good or service it is often called as trade discount.

Description of the objective of the game



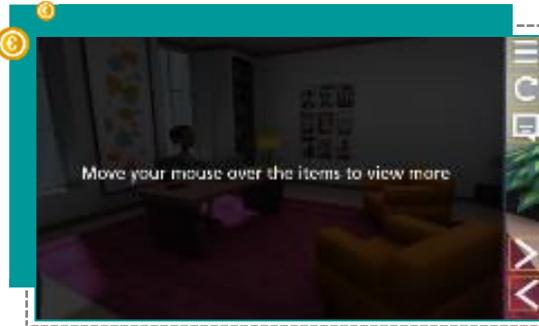
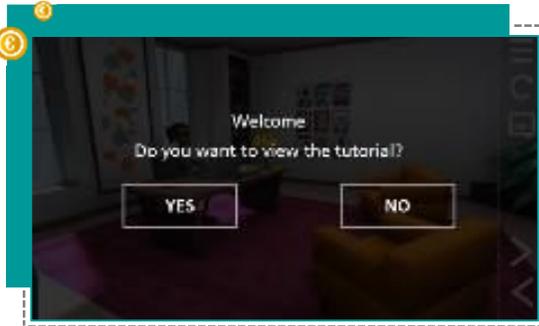
The objective of this game is to explore the concept of a discount in a price and make you aware of the need of understanding how to calculate the discount and the final price of a good or service, enabling also to understand if you are doing a good deal, comparing the final price of a good or service with a discount with another good or service price with no discount. A discount on the price of a good or service is often called a trade discount.

It is very usual to find promotions and sales in shops, online shops, and services for any type of goods or services and there is a tendency to immediately buy just because a discount is offered. Traditionally this is a not reflected act called impulse purchase or impulse buying and sometimes leads to bad decisions.

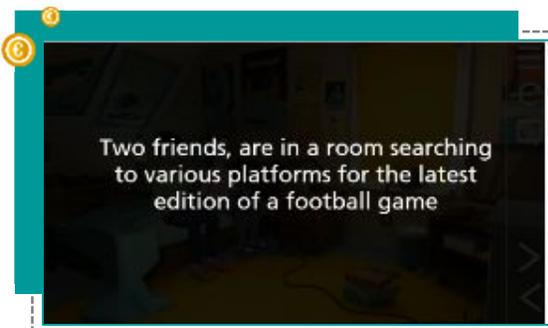
You must be aware of the need to refrain impulse purchase or impulse buying and to calculate adequately the discount and final price to pay as well as to compare that given price with other similar offers.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option; thus, you can skip it.



At the beginning of the game, the **game objective** is displayed: Upon completion of the mini-game you will be able to identify the notion of discount and you will understand how to proceed to complete a transaction”. Think if you have heard about this anywhere or if you have ever experienced the need of calculating a discount on a price.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of discount rate in a price will have to be used**. We hope that the scenario presents to you a useful situation!

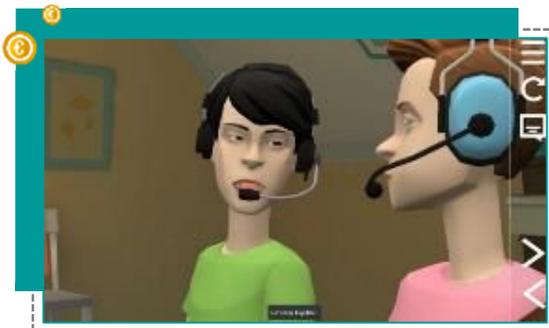


Before initiating the game, you can access the section **“train your brain”**. This section presents you with the concept(s) that the game will explore. In this case, the concept of the trade discount is presented, so please pay attention to it!

Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.



Please note that, besides having the chance of learning and understanding the concept, you can also see an example of how to calculate the discount amount and how to calculate the final price to pay. It is important to highlight that the trade discounts offered to differ a lot: they can vary in amount (5%, 10%, 15%, etc) and in the way that they are applicable (to one unit bought, to the second unit if you buy two units, etc.).



Following this introductory section of the game, you have access to **playing the game** and to use the application of the concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Take advantage of them!

In this specific game, you will have to simulate the buying of a just-released football game with a friend, but with some limitations, as you and your friend do not have too much money available. As such you will have to search for the best price.



You will be presented with some prices for the same football game. You must then calculate the final prices to pay for each offer and then select the best price. There are four prices presented to you:

- 70€ with a trade discount of 25%
- 50€ with no discount offered
- 80€ with a trade discount of 40%
- 120€ with a huge trade discount of 55%.

You have access to a calculator at the right-side panel and some tips in the information bottom, that explains the importance of calculating the trade discounts correctly and of comparing different prices before buying by impulse.



If you fail in calculating the final price of the football game, a try again message will appear, and you will be requested to resume the game and re-do the calculation.

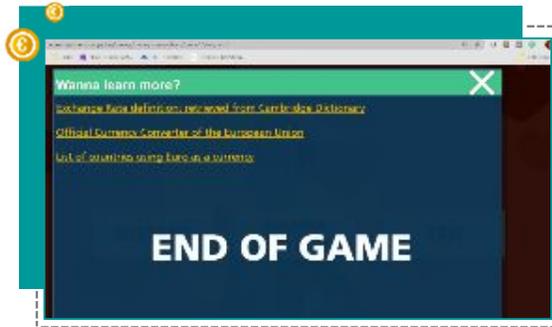
Some important tips that you can opt to provide to the users can be
What could have been the problem? It is difficult to perceive in advance why the answer is wrong... however, some self-questions for you to consider are:

- Did I get the concept right? You might consider going back to the “train the brain section”
- Did I correctly calculate the amount of the discount? And of the final price?

If you provide a correct answer, you will have scored a goal! Well done! By hitting “continue”, three options will be offered to you

- To restart the game from the beginning
- To go to the section “wanna learn more?”
- To exit the game





When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of the trade discount, how to calculate a discount and how to spot and avoid fake discount offers in prices of services and goods.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what a trade discount rate is
- To understand that this rate is volatile, and differs depending on the sellers' options
- To know how to convert a percent amount into a decimal amount
- To know how to calculate the amount of discount and the final price.

PLAY WITH INTEREST

*The mini-game “Play with interests”, explores the concept of the interest rate. By playing this game you will be able to identify the notion of interest rate applied when you buy a product or a service using and will know how to proceed with a transaction. *

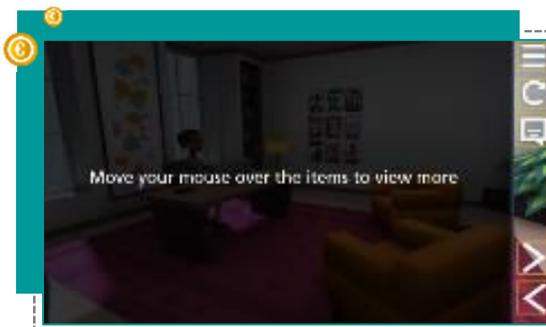
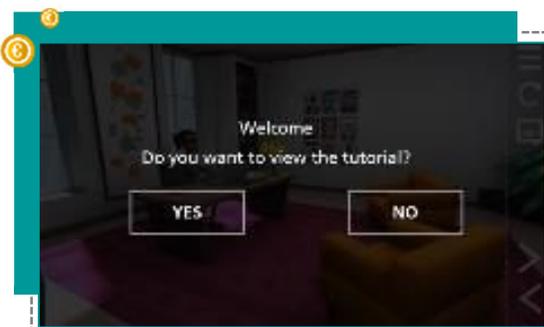
Description of the objective of the game



The objective of this game is to explore the concept of the interest rate. Knowing how to calculate interest rates will allow you to buy goods and services in a more informed way and adjusted to your budget and your current context of life.

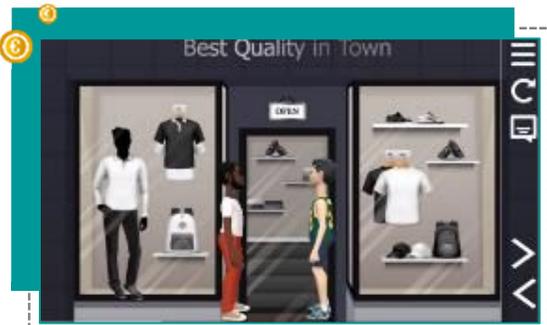
Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how to navigate in the game and the toolbar options.

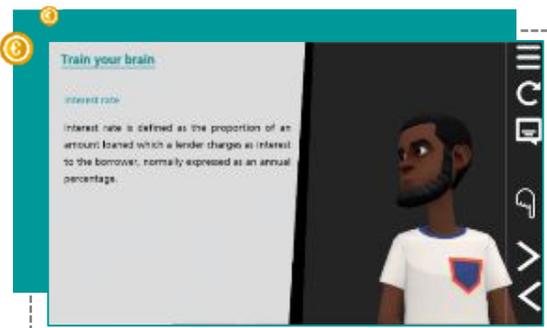




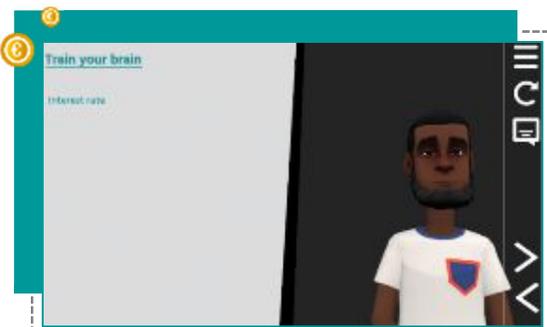
At the beginning of the game, the **game objective** is displayed: “Upon completion of the mini-game you will be able to identify the notion of the interest rate applied when you buy a product or a service user and will know how to proceed with a transaction”. Think if you have heard about this anywhere.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of the interest rate will have to be used**. We hope that the scenario presents to you a useful situation!

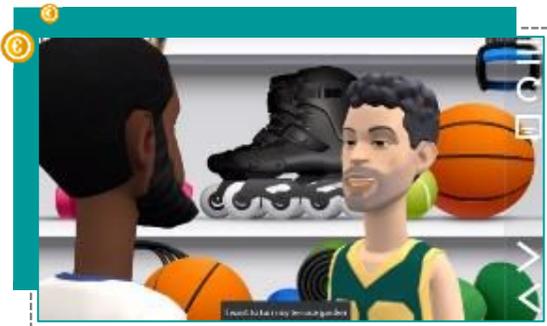


Before digging in the real game, you can access the section “**train your brain**”. This section is important as it aims to present to you the concept(s) that the games aim to explore. In this case, the concept of the interest rate is presented. Please pay attention to the information displayed in this section of the game!



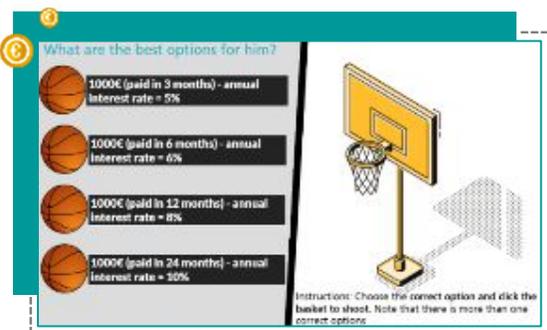
Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of a real exchange rate is applied (in this case how to calculate an interest rate for a credit of 3 months).



Following this introductory section of the game, you can finally **play the game** and use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Please do not ignore them.

In this specific game, you will have to choose the best payment option considering that the character can only pay 100 euros/month.



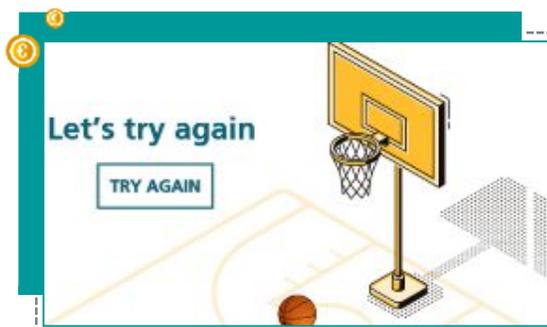
You will have the chance to select:

- 1000€ (paid in 3 months) - annual interest rate = 5%;
- 1000€ (paid in 6 months) – annual interest rate = 6%;
- 1000€ (paid in 12 months) - annual interest rate = 8%;
- 1000€ (paid in 24 months) - annual interest rate = 10%.

After you have selected the best option you need to click the basket to shoot and to see the result. A calculator is available at the options bar located on the right side of the screen.

If you provide an answer that is not correct, a friendly warning message will be displayed, giving to you the possibility of trying again the exercise.

What could have been the problem? It is difficult to perceive in advance why the answer is wrong...



However, some self-questions for you to consider are:

- Did I get the concept right?
- Did I read carefully the “train your brain” session?
- Did I calculate correctly?



On the opposite, if you provide a correct answer, a “well done” message will be displayed, with the continue option.



When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of the credit sale.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what an interest rate is
- To learn how to calculate interest rates
- To understand that the best option always needs to have in count our financial situation (example: how much can we pay by the month?).

FIND THE WAY OUT



*The mini-game “Find the way out” promotes the understanding of the Value Added Tax (VAT) concept. Upon completion of the mini-game, you will be able to identify the notion of Value Added Tax in a business transaction.

Description of the objective of the game



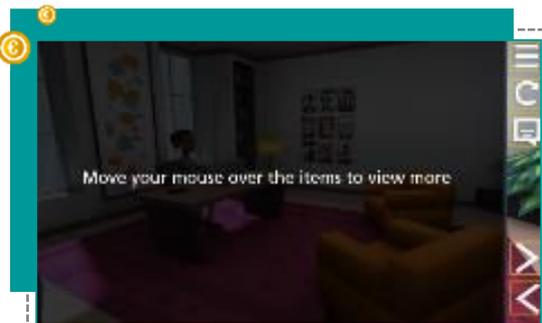
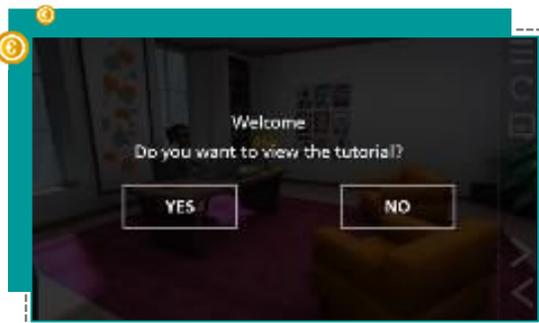
The objective of this game is to explore the concept of Value Added Tax (VAT) and make you aware of how different taxes could change the final value of a product or a service.

Furthermore, it draws your attention to the fact that VAT rates applied in the Member States European Union are not always the same.

To take responsible financial decisions, when buying goods and services, it is crucial to consider all the variables, namely the VAT rates. This will empower and will help you to make the best choices for yourself.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how to navigate in the game and the toolbar options.

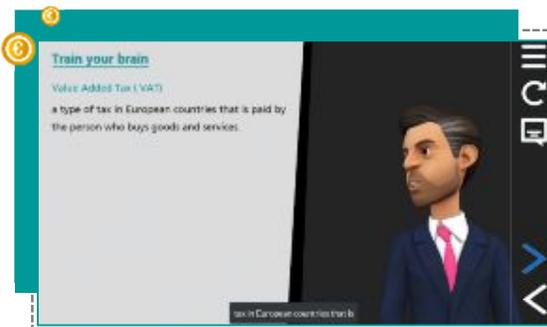




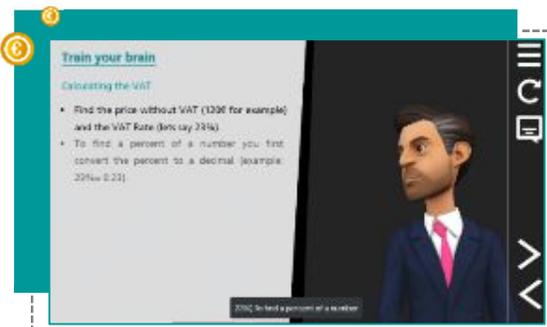
At the beginning of the game, the **game objective** is displayed: “Upon completion of the mini-game you will be able to identify the notion of Value Added Tax (VAT) in a business transaction.” Think if you have heard about this anywhere.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of Value Added Tax (VAT) will have to be used**. We hope that the scenario presents to you a useful situation!



Before initiating the game, you can access the section “**train your brain**”. This section presents you with the concept(s) that the game will explore. In this case, the concept of Value Added Tax (VAT) is presented, so please pay attention to it!



Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

On the opposite, you can use the game as a teaser to introduce the concept of VAT and then explore it with all groups in a training session.

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of how to calculate the VAT (in this case, is calculated the final price for a service costing 120€ with 23% VAT Rate).

You must take in mind that VAT rates applied in the Member States European Union are not always the same.



Following this introductory section of the game, you have access to **playing the game** and to use the application of the concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Take advantage of them!



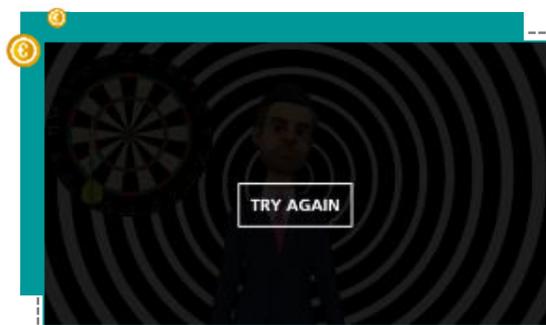
In **this specific game**, you will have to simulate the buying of a dartboard, that cost 48€ in Portugal and 50€ in Spain (both without VAT). The challenge is to find the best price calculating the final price of the dartboards (that have not the VAT included in the price) presenting by too online shops from different countries (Portugal and Spain).

Please, pay attention to the fact that, for this kind of goods, **in Portugal, the VAT is 23%** and **in Spain, it is 21%**.

First of all, you need to calculate how many are 48€ with a 23% VAT, and how many are 50€ with a 21% VAT. Then, you need to choose the best price. After you have selected the best option, you need to click on the dart and then click on the target to throw it. A calculator is available at the options bar located on the right side of the screen.

If you provide an answer that is not correct, a friendly warning message will be displayed, giving to you the possibility of trying again the exercise.

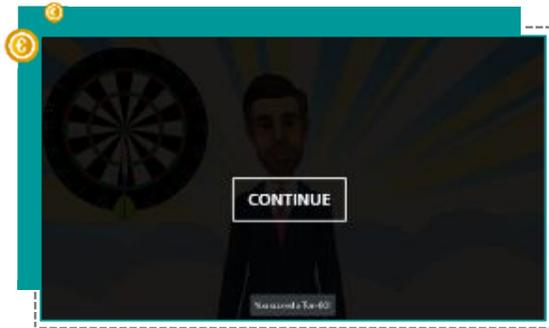
What could have been the problem? It is difficult to perceive in advance why the answer is wrong...



However, some self-questions for you to consider are:

- Did I get the concept right? You might consider going back to the “train the brain section”
- Did I correctly calculate?
- Did I understand that the VAT rates applied in Portugal and Spain are not the same?

On the opposite, if you provide a correct answer, a “well done” message will be displayed, with the continue option.



When completing the game with the correct answer, you will have **access to additional resources** that you can consult to learn more about the concept of VAT, a VAT calculator and information about how to calculate a VAT, VAT rates, and a list of VAT rates applied in the Member States of the European Union.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To know and understand what Value Added Tax (VAT) is
- To know that VAT rates diverge depending on the goods and services
- To know that VAT rates applied in the Member States European Union are not always the same
- To learn how to calculate VAT rates

C. Risk & Credit minigames

LET'S DO SOME PROFILING

* The mini game "Let's do some profiling" introduces the concept of credit and how the bank assesses a credible customer. Credit history is a record of how well or how poorly someone has managed his/her finances over time.*

Description of the objective of the game



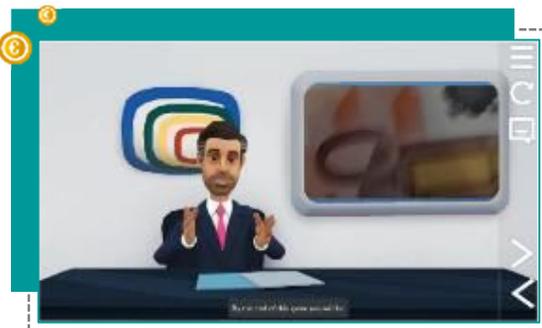
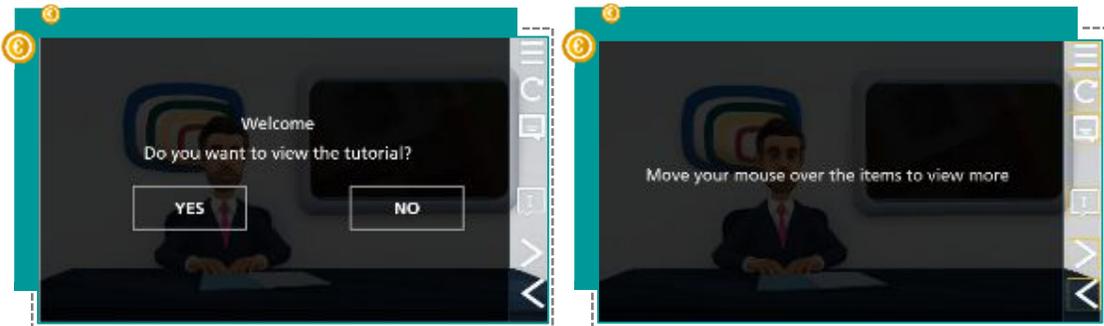
The objective of this game is to provide useful information on the criteria that Banks use in order to assess the creditworthiness of their clients before giving them a loan. In particular, you will be able to understand how your personal financial decisions matter to a bank when considering giving them access to money on a long-term basis.

During the game, you will find a set of criteria that a bank needs for assessing if you are a credible customer, in other words, if the money that it lends you will be repaid in time and in full. Such criteria include information about your professional and personal situation, your past financial records and your current assets.

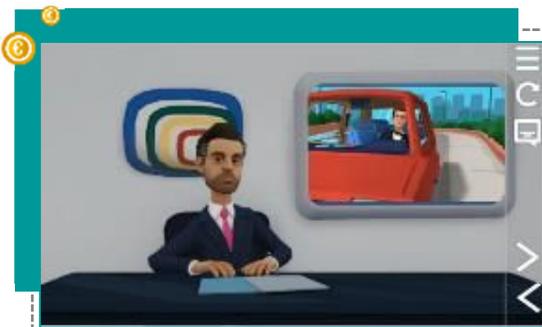
It is very usual throughout a person's lifetime to be circumstances where sound financial decisions will have to be made, e.g. using payment cards, buying a car in installments. In this regard, it is important for you to become aware of the fact that the way you will be managing your finances over time will impact your credit history which in turn will result in getting new credit with attractive terms.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option; thus, you can skip it.



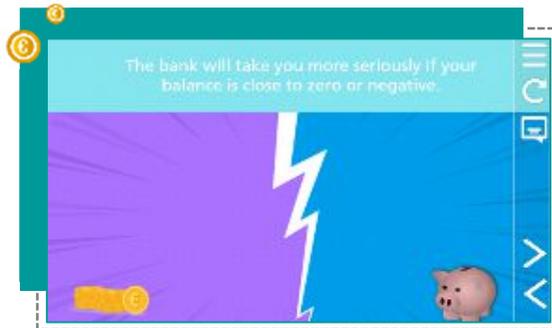
At the beginning of the game, the **game objective** is displayed: “By the end of this game you will be able to understand how your personal financial decisions matter to a bank when considering giving you access to their money on a long-term basis”. Think if you have heard about this before or if you have ever experienced a situation when you or someone you know had to ask for a loan.



After the presentation of the game objective, you will be introduced to a real-based environment to understand the **scenario of the game and the real situation where the concept of credit history will have to be used**. We hope that the scenario presents to you a useful situation!

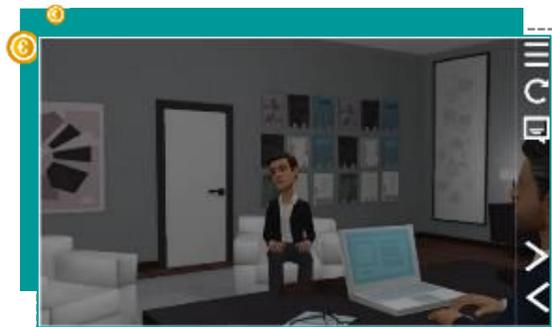


Before initiating the game, you can access the section “train your brain”. This section presents you with the concept(s) that the game will explore. In this case, the concept of credit history and good creditworthiness is presented, so please pay attention to it!

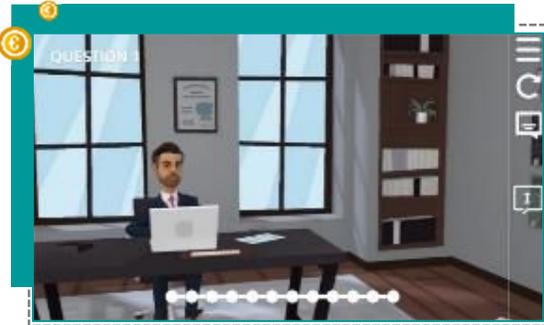


Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

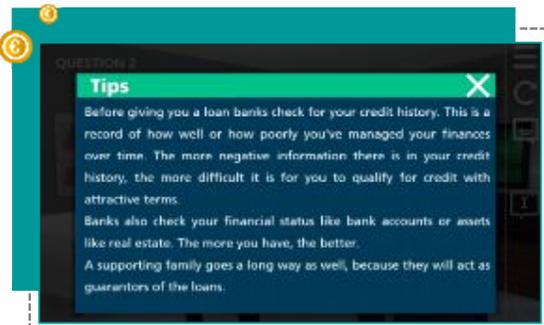
Please note that, besides having the chance of learning and understanding the concept, you can also view examples of criteria that the Banks use to assess creditworthiness, including information about the professional and personal situation, past financial records and current assets. It is important to understand that a credible customer is more likely to get a loan with more attractive terms.



Following this introductory section of the game, you have access to playing the game and apply the explained concepts to a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you!



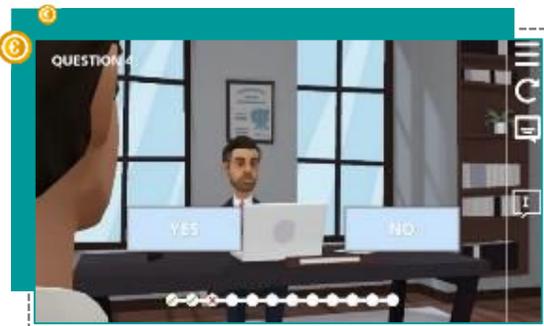
In this specific game, you will have to simulate visiting a Bank in order to ask for a €10,000 loan. For the Bank to proceed with the request, it needs to assess first the creditworthiness of the client. In this scenario, you will see 12 profiling statements in your screen in the form of a quiz which will be asked by the bank clerk. For each sentence, you need to decide if they will have a positive or negative impact on your credit profile.



You have access to a tips button on the left of your screen that explains how Banks check their clients' credit history and what financial actions should a customer takes, to get credit with attractive terms.



A progress bar is being displayed at the bottom of the screen to let you know how many questions you have answered correctly. At the end of the game, all of your answers are being displayed as your "Creditworthiness report".



If you fail to answer correctly to at least eight out of twelve questions, a try again message will appear, and you will be requested to resume the game and re-do the quiz or to visit the Train the Brain section to get more information. Some important tips that you can consider are:

- Did I get the concept right? You might consider going back to the "train the brain section"
- Why did I answer YES/NO to particular questions?



When answering at least eight questions correctly, you have completed the game. At this point, you will have **access to additional resources** that you can consult to learn more about the creditworthiness criteria and the credit policy across the EU. Additionally, you will have the chance to watch a short video about the differences in assessing creditworthiness between the banking system in Europe and the USA.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To understand the concept of credit history and why it is important;
- To distinguish between positive and negative criteria for creditworthiness;
- To recognize what financial actions need to be undertaken in order to build a good credit profile before applying for a loan at a Bank.

THE ESSENCE OF INTEREST RATES

* The mini-game 2 "The essence of interest rates" presents the concept of interest rate and allows you to calculate the amount of interest you will end up paying for your financial decisions. Interest rate can be referred to as the cost of borrowing money. *

Description of the objective of the game



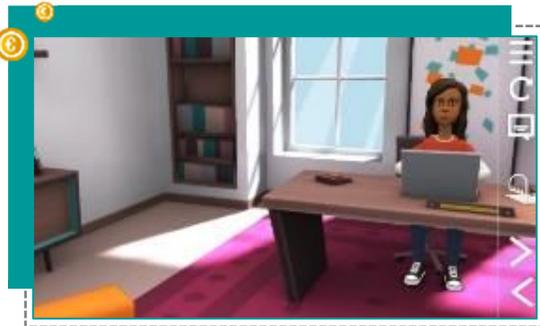
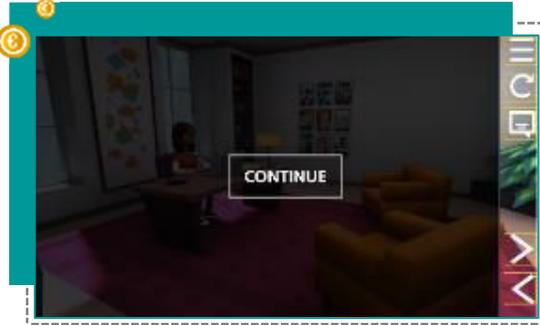
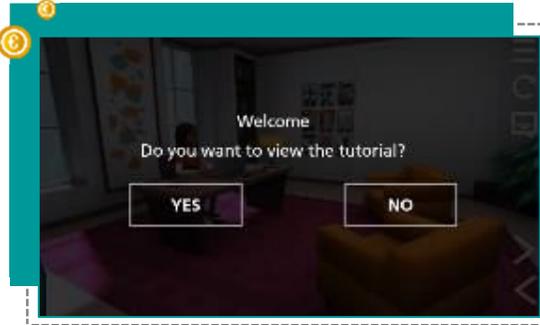
The objective of this game is to help you become familiar with the concept of Interest Rates in order to make financial decisions both on a personal and/or a business level. You will also gain an insight into the way interest rates can affect the direction of the economy (consumption, savings, investment, borrowing).

During the game, you will come across the concept of the interest rate. You will learn when and how the interest rates increase or decrease over time and which are the implications of such situations for the financial decisions someone should make when considering buying options or other financial decisions.

It is very usual for consumers to experience periods when the interest rates increase or decrease depending on the state of the economy. In this regard, it is important for you to become aware of the fact that Interest rates are one of the most important factors that you should look into when making a financial decision.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option, thus, you can skip it.



At the beginning of the game, the **game objective** is displayed: “By the end of this game you will become familiar with the concept of Interest Rates in order to be able to make financial decisions both on a personal and/or a business level”. Think if you have heard about this before or if you have ever experienced a situation when you or someone you know had to check the interest rates when making a financial decision.



After the presentation of the game objective, you will be introduced to a real-based environment to understand the **scenario of the game and the real situation where the concept of interest rates will have to be used**. We hope that the scenario presents to you a useful situation!

Before initiating the game, you can access the section “**train your brain**”. This section presents you with the concept(s) that the game will explore. In this case, the concept of interest rate is presented, so please pay attention to it!





Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also view examples of the financial decisions that are affected when interest rates go up. It is important to understand that low money circulation would increase the cost of borrowing money while high money circulation would result in a decrease in interest rates.

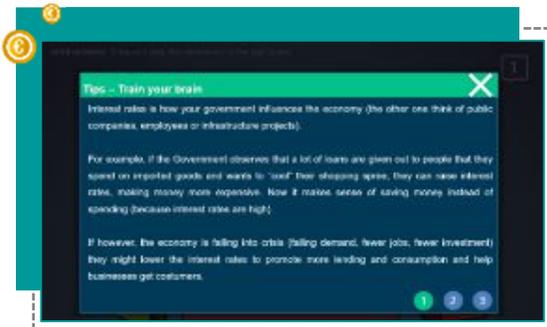
Following this introductory section of the game, you have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you!



In this specific game, you will have to simulate the decision making processes of a young journalist that wants to build a house, buy a car and in general to improve his lifestyle. Your role is to help him select whether or not he would take into consideration the interest rates during particular financial decisions.

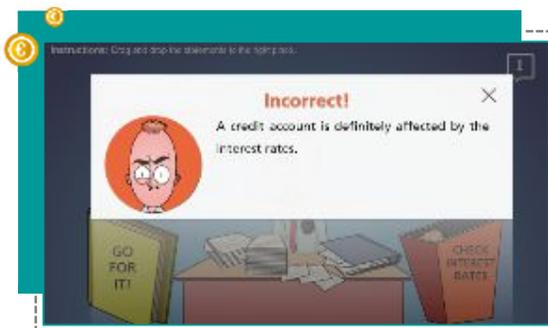
In particular, you will find yourself in six different situations and you will have to select if you will consider or not the interest rates for each situation. In order to achieve this, you will have to check which of the financial decisions will be affected by interest rates and which will not. The situations are the following:

- Buying an apartment for 100 000 euros {mortgage}
- Getting a loan to buy two cars, for the journalist and his wife
- Buying a high-end TV with installments
- Applying for a line of credit from the bank (i.e request a loan)
- Depositing all the savings into a bank deposit account
- Investing some of the family money in the stock exchange



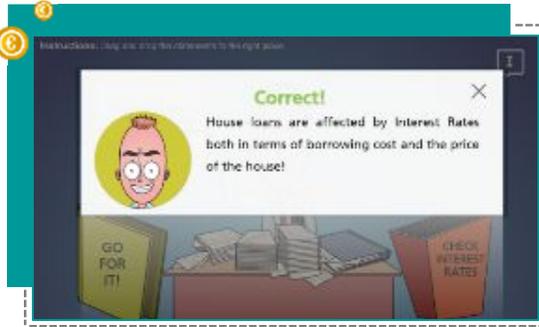
You have access to a tips button on the left of your screen that explains when interest rates increase or decrease and what happens when the interest rates go high.

If you fail in selecting the correct option you will receive a feedback message which will explain why the answer is wrong. After closing the feedback message, you can continue to the next scene. However, if you give a wrong answer to more than three scenarios, you will fail to complete the game. If this happens, you will be requested to start over or to visit the Train your Brain section to get more information.



Some important tips that you can consider are:

- Did I get the concept right? You might consider going back to the “train the brain section”
- What does money circulation mean and how it affects interest rates?
- What happens when interest rates go up? Which financial decisions might need to be taken into consideration?



If you give a correct answer, a feedback message will be displayed confirming that you have provided the preferred answer. After closing the feedback message you automatically move to the next scene.



When completing the game by providing at least 4 correct responses, you have **access to additional resources** that he/she can consult to learn more about the concept of the interest rates, when they go up and down and how interest rates might influence the financial decisions of an individual.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To understand the concept of interest rate;
- To distinguish between low money circulation and high money circulation and how they affect interest rates;
- To recognize the financial situations for which the interest rates must definitely be checked.

INTEREST RATES AND THE MAGIC OF COMPOUNDING

* The mini-game 3 "Interest rate and the magic of compounding" explores the concepts of simple and compound interest rates and their different impacts on the finances. *

Description of the objective of the game



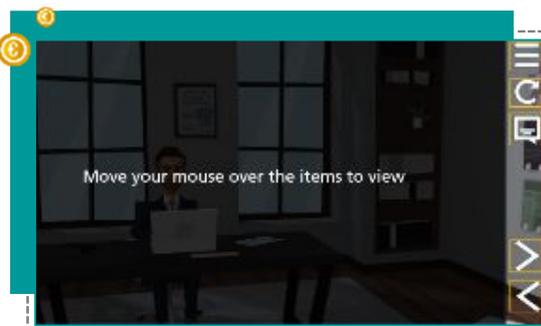
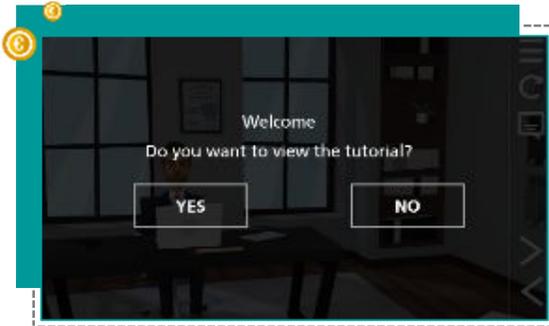
The objective of this game is to explore the concepts of simple and compound interest rates. In particular, it will help you distinguish between simple and compound interest and how to calculate their amounts on different occasions.

It is very usual for people to want to know the way banks calculate interest on their savings as such calculations determine how fast their savings will grow. In this regard, it is important for you to know the arithmetic and geometric progression which are used to calculate the simple interest rate and the compound interest rate respectively.

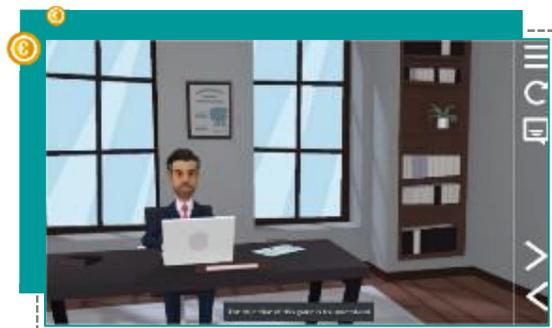
You must be aware of the fact that compound interest although it may take some time to work, makes your pile bigger.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option, thus, you can skip it.



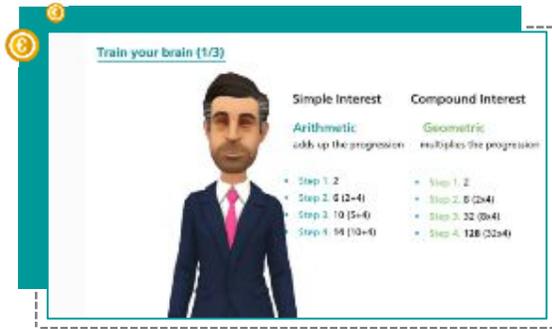
At the beginning of the game, the **game objective** is displayed: “By the end of this game you will be able to understand the difference between simple and compound interest loans and how if you extend them well into the future, they produce very different outcomes”.



Think is you have heard about this anywhere of if you have ever experienced or you know someone who has experienced the need of calculating simple or compound interest rate.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concepts of simple and compound interest rates will have to be used**. We hope that the scenario presents to you a useful situation!



Before initiating the game, you can access the section “**train your brain**”. This section presents you with the concept(s) that the game will explore. In this case, the difference between the concept of simple and compound interest rates is presented, so please pay attention to it!



Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also see an example of how to calculate both the simple and the compound interest rate. It is important for you to understand that the massive difference between simple and compound interest is illustrated by the difference between arithmetic and geometric progression in mathematics. While both start quite close in the first two steps they get separated by a massive amount very quickly.



Following this introductory section of the game, you have access to **playing the game** and to use the application of the concepts in a real-life scenario. While the game proceeds some instructions or guiding tips will be displayed to support you. Take advantage of them!

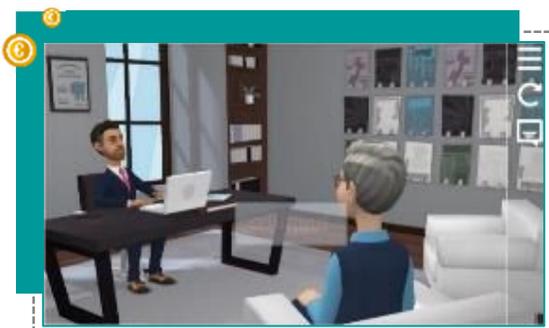


In this specific game, you will have to simulate the calculation of the compound interest rate to three scenarios that are being introduced. In particular, you will be presented to three different situations and you will have to calculate the final amount that includes the principle and the interest rate in every situation.

In order to achieve this, you will have to use an online calculator that is available in the game. The situations are the following:

- A 15-year-old who got a summer job that put the earned cash on a fixed deposit account with 5% yearly interest rate;
- A 35-year-old who applied for a 3-year loan from the bank that comes at 4% interest rate per year in order to buy his dream house;
- A grant parent who has opened an account in the bank for his/her granddaughter and placed 10,000 Euros for which the compound interest is set at 3%.

If you fail in selecting the correct option you will receive a feedback message which will state that the answer is wrong. After the feedback message, you can continue to the next scene. However, if you provide a wrong answer to more than one scenario, you will fail to complete the game. If this happens, you will be requested to start over or to visit the Train your Brain section to get more information.



Some important tips that you can take into consideration are the following:

- Did I get the concept right? You might consider going back to the “train the brain section”
- Did I correctly calculate the amount of the compound interest rate?



If you provide a correct answer, a feedback message is heard “You choose wisely” confirming that you have provided the preferred answer. Then, you automatically move to the next scenario by clicking on the “Continue” button.



When completing the game by providing at least 2 correct responses, you will have **access to additional resources** that you can consult to learn more about the concepts of simple and compound interest rates, tips on how to calculate them and how they work in real life.

Competences developed in each game

With this game, you will be able to develop the following competences:

- To understand the concepts of simple and compound interest rates and when they are applied;
- To recognize the differences between simple and compound interest rate;
- To calculate the amount of simple and compound interest rates correctly.

TYPES OF PERSONAL ACCOUNTS

* The mini-game 4 "Types of personal accounts" explores the different types of credit available through a Bank. These include: secure vs unsecured loans, credit cards vs debit cards. *

Description of the objective of the game

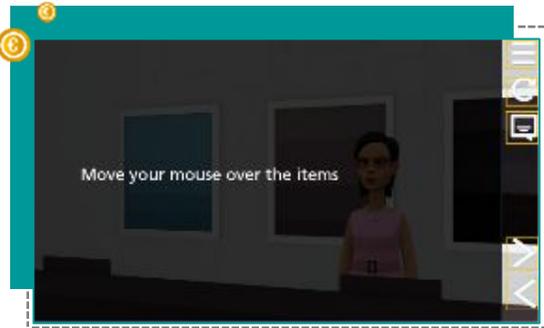
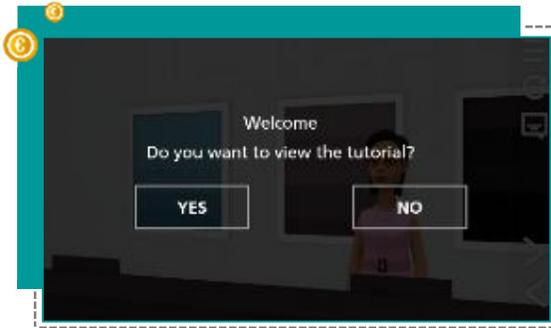


The objective of this game is to explore the concept of credit. In particular, it will help you to distinguish between secured and unsecured loans, and between credit and debit cards in order for you to understand when to use each of them.

It is very usual for people to want to know the different types of credit available to them through the local bank and which is the best credit solution that matches their financial needs. You must be aware of the different types of personal accounts you can request from a Bank according to the type of loan that best suits them.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option, thus, you can skip it.



At the beginning of the game, the **game objective** is displayed: “By the end of this game you will be able to match the type of financial needs you have to the type of loan that is best suited for you”. Think if you have heard about this anywhere or if you have ever experienced or someone you know has experienced the need to ask for credit from a Bank.



After the presentation of the game objective, you will be introduced to the real-based environment to understand the **scenario of the game and the real situation where the concept of credit will have to be used**. We hope that the scenario presents to you a useful situation!

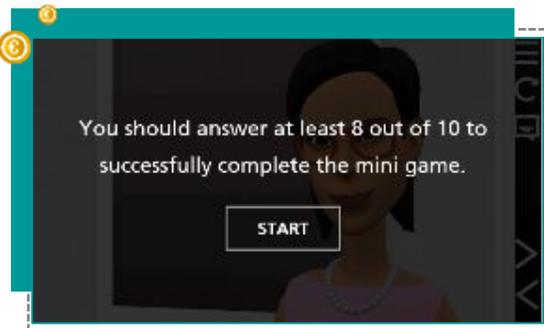


Before initiating the game, you can access the section “**train your brain**”. This section presents you with the concept(s) that the game will explore. In this case, the types of credit are being presented, so please pay attention to it!



Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts.

Please note that, besides having the chance of learning and understanding the concept, you can also the different types of credit and to which situations it is more appropriate for each one to be considered. It is important for you to understand the differences between secured vs unsecured loans and the differences between credit and debit cards.



Following this introductory section of the game, the users will have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some instructions will be displayed to support you. Take advantage of them!

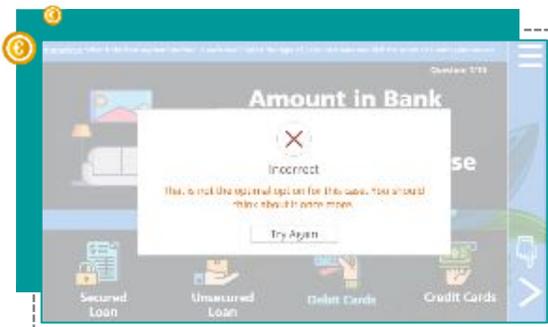
In this specific game, you will have to simulate the decision-making process that includes the selection of the best possible credit solution given to a particular financial need. Specifically, you will be presented to ten different financial needs and you will decide which is the best type of credit that can be applied to meet each need by selecting one of the four options: secured loan, unsecured loan, debit cards, and credit cards.



In order to achieve this, you will have to decide the type of credit that best meets each of the following financial needs:

- Buy a house;
- Buy a car;
- Buy groceries from the local supermarket;
- Advanced rent payment for an apartment;
- Tickets for summer vacations;
- Unexpected necessary can expenses;
- Internet, phone, water and electricity standing orders;
- Gym membership paid monthly;
- Buy a new TV;
- Student loan.

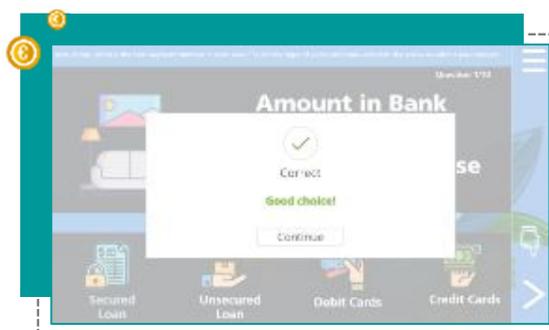
If you fail in selecting the correct option you will receive a feedback message which will state that the answer you provided is not an optimal option. At this point, you can get another chance of answering correctly by selecting the “Try Again” option. However, you won’t get a third chance. If you provide wrong answers to more than two cases, you will fail to complete the game. If this happens, you will be requested to start over or to visit the Train your Brain section to get more information.



Some important tips that you can take into consideration are:

- Did I get the concept right? You might consider going back to the “train the brain section”;
- What would happen if I choose a credit card instead of a debit card or the opposite? What would happen if I choose secured instead of an unsecured loan or the opposite?

If you provide a correct answer, a feedback message is displayed “Good choice” confirming that you have provided the preferred answer. Then, you automatically move to the next case by clicking on the “Continue” button.



When completing the game by providing at least 8 correct responses, you will have **access to additional resources** that you can consult to learn more about the concept of credit, and the types of personal and consumer loans.



Competences developed in each game

With this game, you will be able to develop the following competences:

- To understand the concept of credit;
- To recognize the differences between secured and unsecured loans, and between the credit cards and the debit cards;
- To select the best credit solution depending upon your financial needs.

DO I USE THE DEBIT CARD, OR IS THE CREDIT CARD... WHAT IS THE DIFFERENCE EVEN?

* The mini-game 5 "Do I use the debit card, or the credit card ... and what is the difference?" explores the differences between debit and credit cards. It provides information on how to select the correct method of payment to the best effect of its qualities. *

Description of the objective of the game

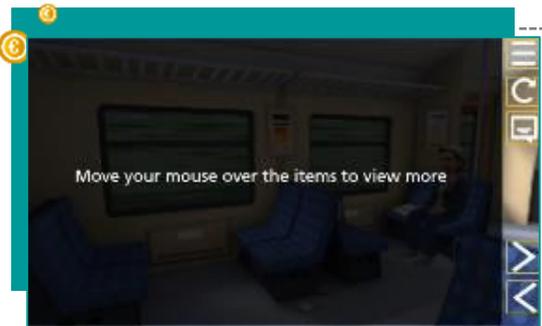
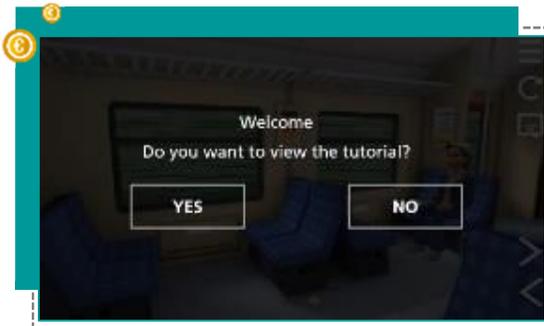


The objective of this game is to explore the differences between credit cards and debit cards. In particular, it will help you to be in a better position to select which of these two financial tools best suits your financial needs by taking into advantage the best effect of their qualities.

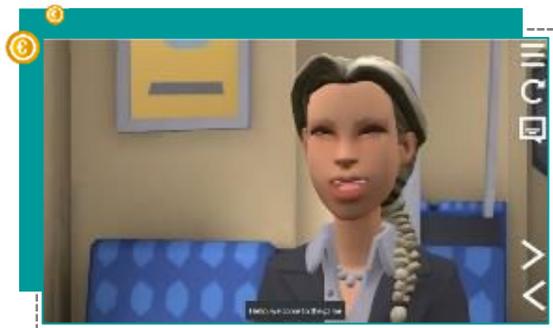
It is very usual for people to not use cash when they visit stores, or other places when they are requested to pay (e.g. hotels, restaurants, travel agencies). In particular, more and more people have bank accounts and bank cards which have become more and more normal for even the smallest daily transactions. For this reason, you must be aware of the different types of cards (credit and debit cards) and their differences.

Explanation of the game process

When starting the game, a **tutorial** is available for you, aiming to explain how you can navigate in the game and the toolbar options. You can consult the tutorial to understand how to use the navigation panel before starting the game. This is an option, thus, you can skip it.



At the beginning of the game, the **game objective** is displayed: “By the end of this game you will be able to distinguish between the debit and credit cards in order to use these financial tools to the best effect of their qualities”. Think if you have heard about this anywhere or if you have ever experienced the need of using a credit or debit card.

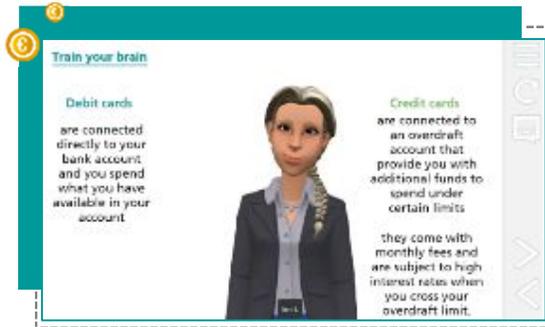


After the presentation of the game objective, the real-based environment is presented to understand the **scenario of the game and the real situation where the concepts of credit and debit cards will have to be used**. We hope that the scenario presents to you a useful situation!

Before digging into the real game, you can access the section “**train your brain**”. This section aims to presents you with the concept(s) that the games aim to explore. In this case, the differences between credit and debit cards are being presented, so please pay attention to it!



Probably you have already heard about the concepts that are presented to you on a training course? At school? Through a friend or relative? Even if you are familiar with it, you can read it more than once to make sure that you can proceed with no doubts. Please note that, besides having the chance of learning and understanding the concept, you can also view examples of the different types of credit cards and to which situations it is more appropriate for each one to be considered.



Following this introductory section of the game, you have access to **playing the game** and to use the explained concepts in a real-life scenario. While the game proceeds some tips and instructions will be displayed to support you. Take advantage of them!

In this specific game, you will have to simulate the decision-making process that includes the selection of the best possible credit card solution given to a particular financial need. Specifically, you will be presented to four different financial needs and you will decide which is the best type of credit card that can be used to meet each need by selecting one of the four options: debit card and credit card.



In order to achieve this, you will have to decide the type of credit that best meets each of the following financial needs:

- Broken lap-top;
- Shopping expenses;
- Organizing a trip;
- Birthday celebration;



You have access to a Tips section at the right-side panel that explains in detail to which situations you can use either credit or debit cards.

If you fail in selecting the correct option you will receive a feedback message which will state why the answer you provided is not correct. If you provide a wrong answer to at least one case, you will fail to complete the game. If this happens, you will be requested to start over or to visit the Train your Brain section to get more information.



Some important tips that you can take into consideration are:

- Did I get the concept right? You might consider going back to the “train the brain section”;
- What would happen if I choose a credit card instead of a debit card or the opposite?



If you provide a correct answer, a feedback message is heard confirming that you have provided the preferred answer. Then, you automatically move to the next case by clicking on the “Continue” button.

When completing the game by providing at least 8 correct responses, you will have **access to additional resources** that you can consult to learn more about the concept of credit, and the types of personal and consumer loans.



Competences developed in each game

With this game, you will be able to develop the following competences:

- To understand the concept of credit cards;
- To recognize the differences between credit cards and debit cards;
- To select the best credit card solution depending upon your financial needs.

3. Learn more section

3.1. Links included in the minigames

A. Planning & Management

Make ends Meet

<https://www.finanzasparatodos.es/>

A portal promoted by the Comisión Nacional del Mercado de Valores and the Bank of Spain where you can find a multitude of manuals and tools to manage personal finance.

<https://www.cnmv.es/portal/home.aspx?lang=en>

Website of the Comisión Nacional de Valores, where you can consult guides and triptychs for the investment.

<https://cliente bancario.bde.es/pcb/es/>

Portal of Financial Education of the Bank of Spain. It offers tips, guides and tools to shovel the customer of banking services.

Rainy Days

Finanzas para todos

http://www.finanzasparatodos.org/es/secciones/herramientas/calculadoraahorrar_mes1.html

Planear

<https://www.todoscontam.pt/pt-pt/planear-o-orcamento-familiar>

Emergency savings – how much is enough?

<https://www.moneyadvice service.org.uk/en/articles/emergency-savings-how-much-is-enough>

Vie perso

<https://www.lafinancepourtous.com/pratique/vie-perso/>

Wikifin

<https://www.wikifin.be/fr/thematiques/nav-epargner-et-investir>

Nest Eggs

Finanzas para todos

http://www.finanzasparatodos.org/es/secciones/herramientas/calculadoraahorrar_mes1.html

Planear

<https://www.todoscontam.pt/pt-pt/planear-o-orcamento-familiar>

Emergency savings – how much is enough?

<https://www.moneyadvice.service.org.uk/en/articles/emergency-savings-how-much-is-enough>

Vie perso

<https://www.lafinancepourtous.com/pratique/vie-perso/>

Wikifin

<https://www.wikifin.be/fr/thematiques/nav-epargner-et-investir>

B. Money & Transactions

Choose and Join

Exchange Rate definition

<https://dictionary.cambridge.org/dictionary/english/exchange-rate>

Official Currency Converter of the European Union

https://ec.europa.eu/info/funding-tenders/how-eu-funding-works/information-contractors-and-beneficiaries/exchange-rate-infoeuro_en

List of countries using Euro as a currency

https://europa.eu/european-union/about-eu/euro/which-countries-use-euro_en

Let's exchange

List of currencies in the world

<https://www.countries-ofthe-world.com/world-currencies.html>

Exchange Rate definition

<https://dictionary.cambridge.org/dictionary/english/exchange-rate>

Official Currency Converter of the European Union

https://ec.europa.eu/info/funding-tenders/how-eu-funding-works/information-contractors-and-beneficiaries/exchange-rate-infoeuro_en

List of countries using Euro as a currency

https://europa.eu/european-union/about-eu/euro/which-countries-use-euro_en

Score a goal

Trade discount concept

<https://dictionary.cambridge.org/dictionary/english/trade-discount>

How do you calculate a discount?

https://www.mathgoodies.com/lessons/percent/sale_price

How to spot and avoid a fake discount

<https://www.wisebread.com/4-ways-to-spot-and-avoid-a-fake-sale>

Play with interest

Credit sale

<https://dictionary.cambridge.org/dictionary/english/credit-sale?q=credit+sales>

Find the way out

Value Added Tax (VAT)

<https://dictionary.cambridge.org/pt/dicionario/ingles/vat?q=VAT>

VAT Calculator

<https://vatcalconline.com/>

How to calculate VAT?

<https://blog.softensistemas.com.br/como-calcular-o-iva/>

VAT Rates

https://ec.europa.eu/taxation_customs/business/vat/eu-vat-rules-topic/vat-rates_en

To consult VAT rates applied in the Member States of the European Union

https://ec.europa.eu/taxation_customs/sites/taxation/files/resources/documents/taxation/vat/how_vat_works/rates/vat_rates_en.pdf

C. Risk & Credit

Let's do some profiling

Types of accounts

<https://www.ecb.europa.eu/paym/integration/retail/html/index.en.html>

Every country's creditworthiness criteria

https://ec.europa.eu/info/sites/info/files/mapping_national_approaches_creditworthiness_assessment.pdf

[https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:52017DC0139&from=EN%20\(action%209\)](https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:52017DC0139&from=EN%20(action%209))

https://ec.europa.eu/info/live-work-travel-eu/consumers/financial-products-and-services/consumer-protection-financial-services_en#creditworthinessassessmentprinciplesandmapping

<https://eba.europa.eu/sites/default/documents/files/documents/10180/2551996/75e73a19-d313-44c9-8430-fc6eca025e8b/Consumer%20Trends%20Report%202018-19.pdf?retry=1>

The essence of interest rates

What does Rising Interest Rate mean?

https://www.youtube.com/watch?v=4XYIQ_HbDTw

How interest rates matter and how they don't?

https://www.econlib.org/archives/2015/03/when_interest_r.html

Why interest rates go up and down

<https://bettermoneyhabits.bankofamerica.com/en/personal-banking/what-affects-interest-rates>

Why I took out a car loan instead of paying cash

<https://www.budgetsaresexy.com/car-loan-vs-buying-car-with-cash/>

How to prepare for an interest rate rise

<https://www.moneyadvice.org.uk/en/articles/how-to-prepare-for-an-interest-rate-rise>

Why renters should pay attention to how the Federal Reserve affects mortgage rates

<https://www.discover.com/online-banking/banking-topics/how-the-federal-reserve-affects-mortgage-rates/>

How fed interest rate decisions impact your money

<https://www.bankrate.com/banking/federal-reserve/how-fed-interest-rate-decisions-impact-your-money/>

How banks set Interest Rates on your loans

<https://www.investopedia.com/articles/investing/080713/how-banks-set-interest-rates-your-loans.asp>

Interest rate and the magic of compounding

Compound Interest Rate calculator

<https://www.thecalculatorsite.com/finance/calculators/compoundinterestcalculator.php>

Simple Interest Rate calculator

<https://www.thecalculatorsite.com/finance/calculators/simple-interest-calculator.php>

Types of personal accounts

European Central Bank

<https://www.ecb.europa.eu/paym/integration/retail/html/index.en.html>

Personal loans

<https://euroinvestment-project.eu/games/risk-credit/game4/story.html>

Types of Consumer Credit and Loans

<https://www.debt.org/credit/loans/>

Do I use the debit card or is the credit card... what is the difference even?

Average credit card interest rates

<https://www.valuepenguin.com/average-credit-card-interest-rates>

Debt spiral

<https://www.investopedia.com/articles/pf/12/the-debt-spiral.asp>

Interest rate calculator

<https://www.cardratings.com/credit-card-interest-calculator.html>

Benefits of using a credit card

<https://www.creditsesame.com/blog/credit-cards/should-i-use-my-debit-card-or-credit-card/>

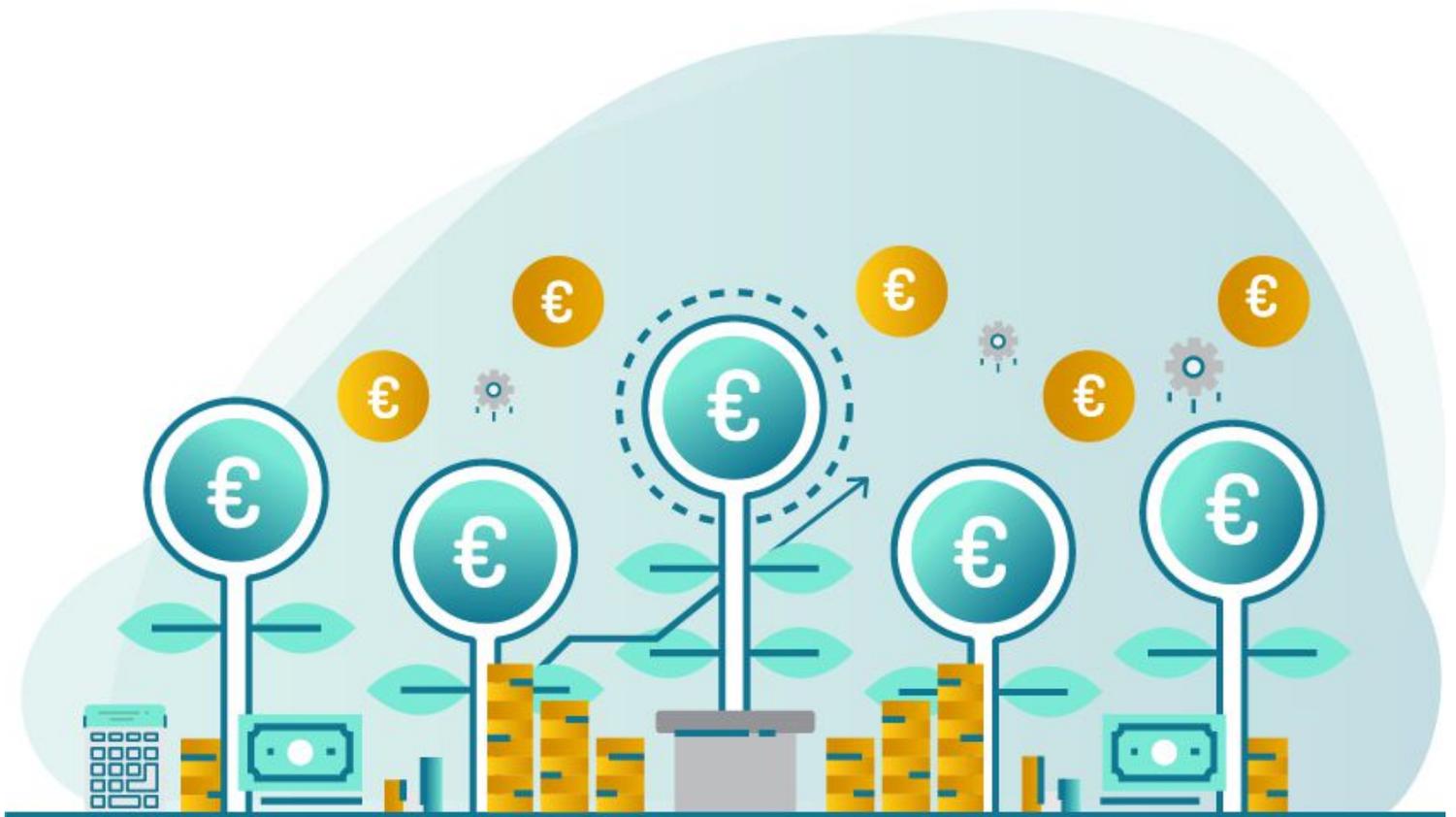
<https://www.thebalance.com/credit-card-minimum-payment-calculation-960238>

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European Financial Literacy Game for Adult Citizens



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