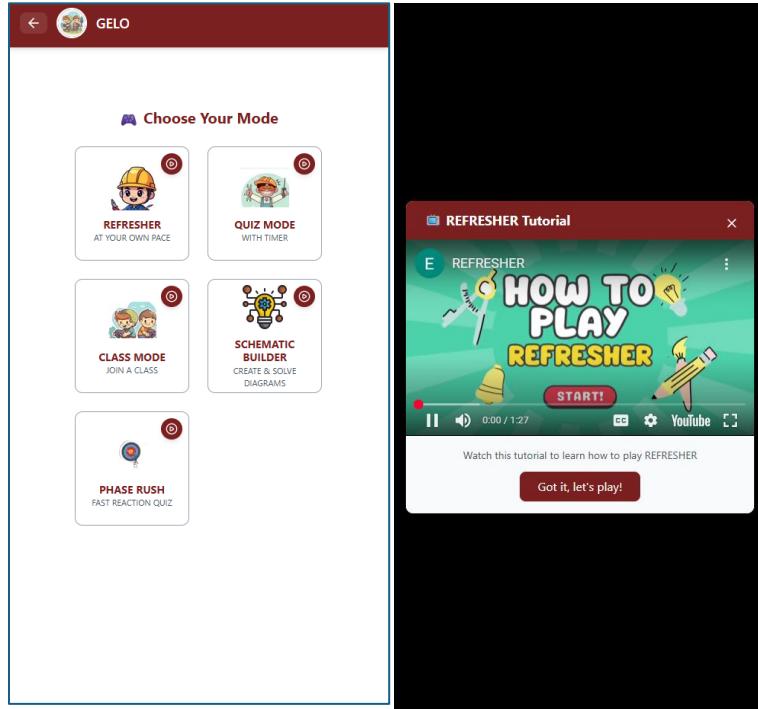


## EIM USER MANUAL FOR GAME MODES:



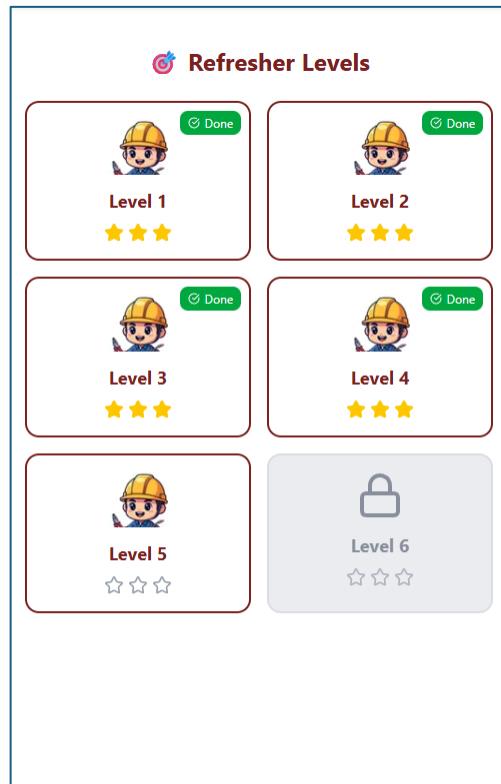
**Student can easily view the video tutorial by clicking the play button in the right side of each game mode**

**REFRESHER:**

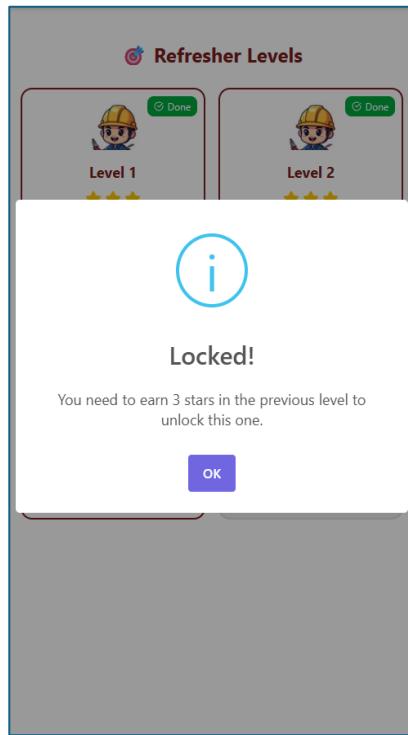
1. Choose **REFRESHER** to start the game



2. Choose the level you wish to play



3. To unlock the next level, complete the previous level perfectly



4. Adjust the Volume slider, with your preference volume of the sounds

← Level 5

1/10

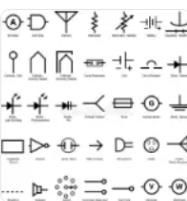
Question 1

Ⓐ	Ⓓ	Ⓜ	Ⓛ	Ⓜ	Ⓛ	Ⓜ	Ⓛ
Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ
Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ
Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ
Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ

Electrical symbols are a \_\_\_\_\_ representation of electrical components

5. If the answer is correct, it will turn green. Choose NEXT to proceed in next question

Question 1



Electrical symbols are a \_\_\_\_\_ representation of electrical components

A. Numerical

B. Graphical 

C. Physical

D. Mechanical

Next

6. If the answer is wrong, it will turn to red and it will show you the correct answer indicated with green.

Question 2

Electrical symbols are also called \_\_\_\_\_

A. Circuit codes

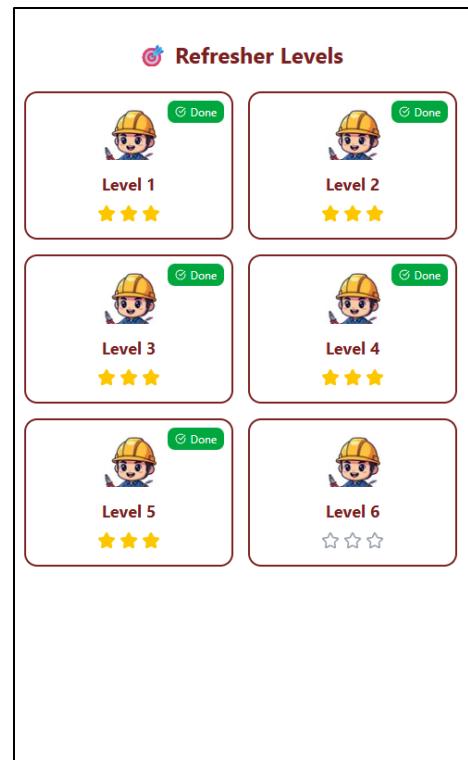
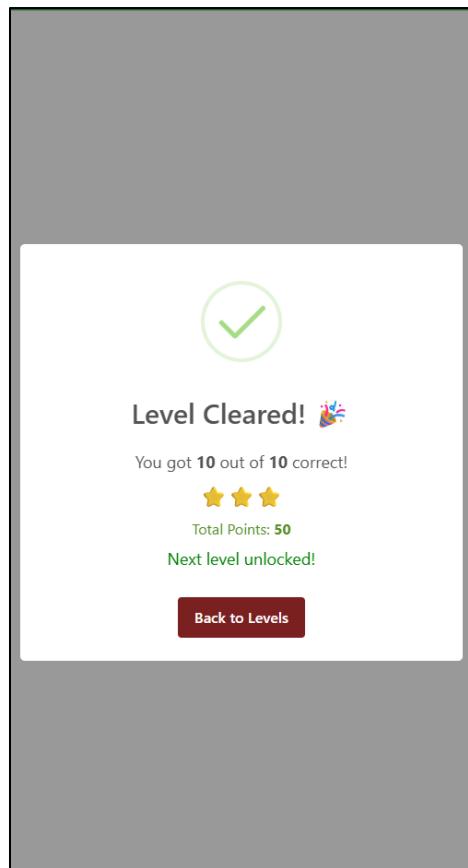
B. Mechanical notations

C. Electrical tags 

D. Schematic symbols

Next

7. Complete the game perfectly to unlock the next level

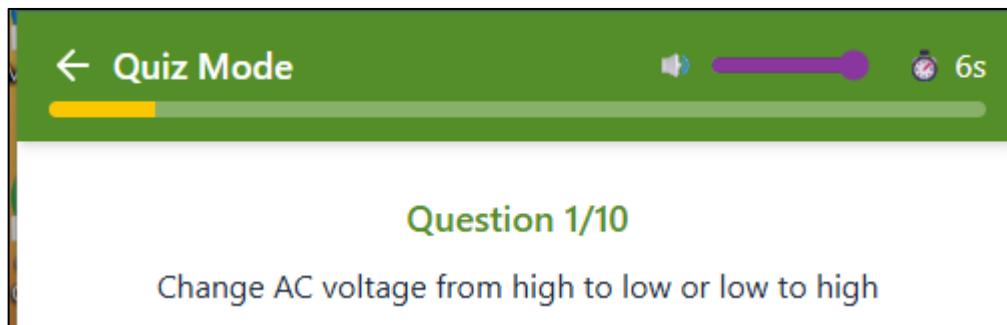


## QUIZ MODE:

1. Choose **QUIZ MODE** to begin



2. Adjust the volume slider as needed. The time in the right side corner indicates the timer per question and the progress bar showing yellow is the duration of the game.



3. When choosing an option, green indicates the correct answer while the red is the wrong answer

Two side-by-side screenshots of the Quiz Mode interface.  
**Left Screen (Question 1/10):**  
Title: Question 1/10  
Question: Change AC voltage from high to low or low to high  
Options:

- A. Electric bell
- B. Buzzer
- C. Transformer ✓
- D. Motor

**Bottom Buttons:**

- 3/3 HINTS
- Next

  
**Right Screen (Question 4/10):**  
Title: Question 4/10  
Question: Which of the following is a capacitor?  
Options:

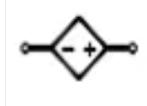
- A. Option 1
- B. Option 2 ✗
- C. Option 3
- D. Option 4

**Bottom Buttons:**

- 3/3 HINTS
- Next

4. To filter out the best two options in the given question, use HINT

Question 1/10



Controlled Voltage Source

A. Generates resistance as a function of voltage  
B. Generates voltage as a function of voltage  
C. Generates capacity as a function of voltage  
D. Generates current as a function of voltage

 3/3 HINTS

Question 2/10

Which of the following symbols is a connected wires?



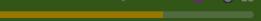
A. Option 1



B. Option 2

 2/3 HINTS

5. Once the duration of the game ends or the player answer all of the questions, the game will end immediately and show the result

← Quiz Mode  8s

Question 10/10

Symbols used in schematic diagrams are standardized to ensure \_\_\_\_\_.



**Challenge Complete! ✨**

You got 7 / 10 correct!  
Time used: 42s / 60s  
Total Points: **210** / 1000

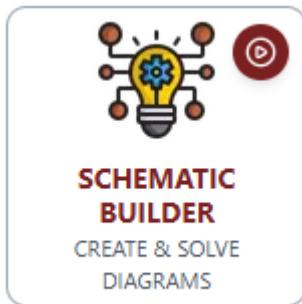
[Back to Menu](#)

 2/3 HINTS

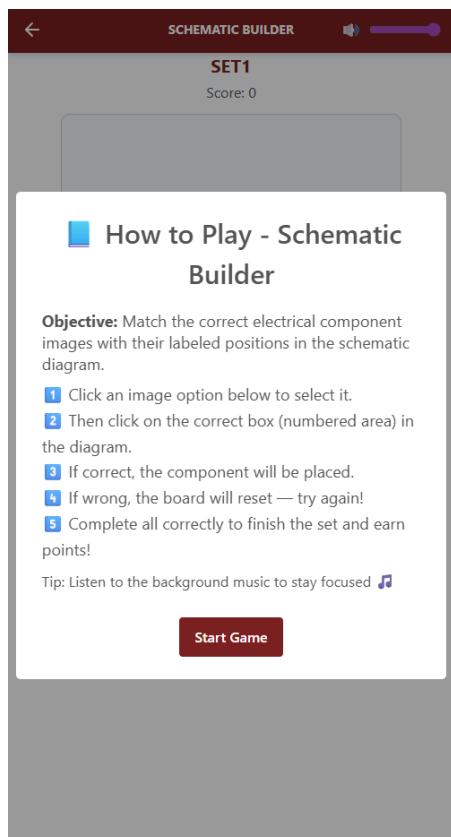
[Finish](#)

## **SCHEMATIC BUILDER:**

1. Choose **SCHEMATIC BUILDER** to begin



2. Follow the instructions provided to play the game



3. Adjust the volume slider for the control of volume

SCHEMATIC BUILDER

SET1

Score: 0

The schematic diagram shows a parallel circuit with five numbered components:

- Component 1: A capacitor labeled "Cap".
- Component 2: A speaker labeled "Loud".
- Component 3: A resistor labeled "Resistor".
- Component 4: A capacitor labeled "Cap".
- Component 5: A resistor labeled "Resistor".

Each component is connected in parallel across the top and bottom rails of the circuit. There are also two additional switches labeled "Switch" in the circuit.

Below the schematic, there are five options for selection:

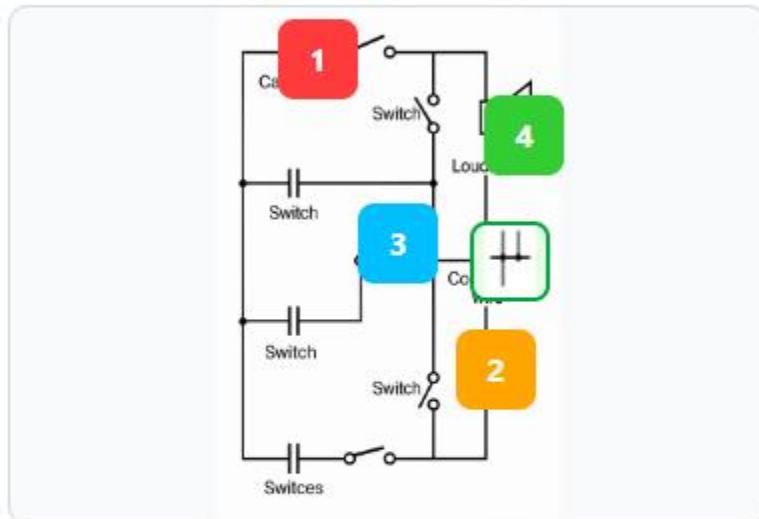
- A green square containing a switch symbol (the correct choice).
- A grey square containing a resistor symbol.
- A grey square containing a capacitor symbol.
- A grey square containing a speaker symbol.
- A grey square containing a diode symbol.

4. Choose the component given in the options, the green indicator indicates that this is the option chosen

5. Put the selected component to the correct slot, if correct it will show green indicator and the options will not shuffle

### SET1

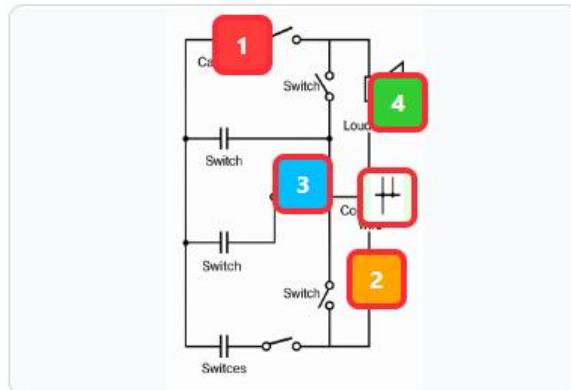
Score: 0



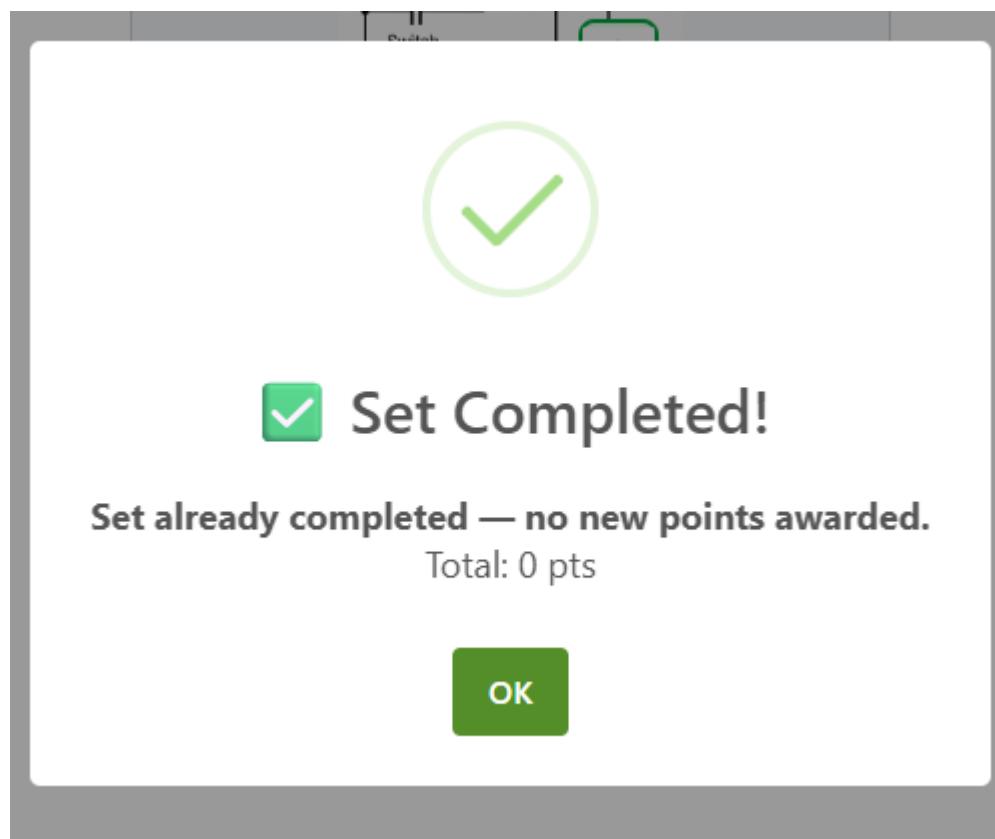
6. Putting the wrong component to the slot will indicate a color red indicator and will make the options shuffle there positions

### SET1

Score: 0

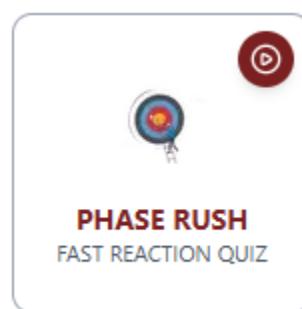


7. If the set is already completed before, it will not provide points anymore otherwise it will show the result with designated points



#### PHASE RUSH:

1. Choose the **PHASE RUSH** to begin



2. Adjust the volume of the game using the volume slider



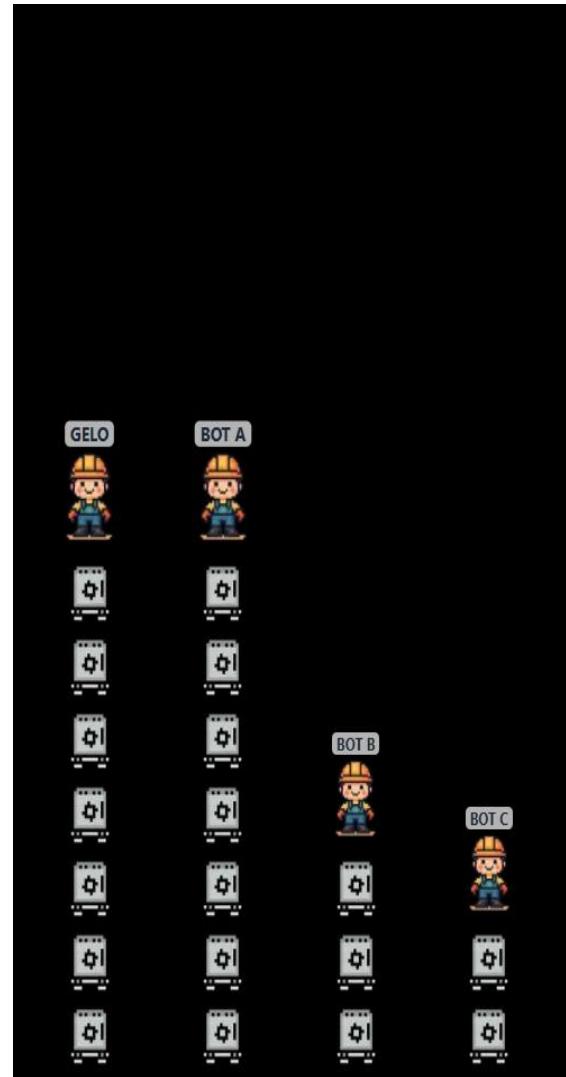
3. Choose the correct answer every time the question pop ups.

The screenshot shows a quiz interface titled "Phase Rush" with a timer of "Time Left: 75s". The main question is "Choose the Correct Answer" and asks: "Which of the following is not a ground?". There are four options:

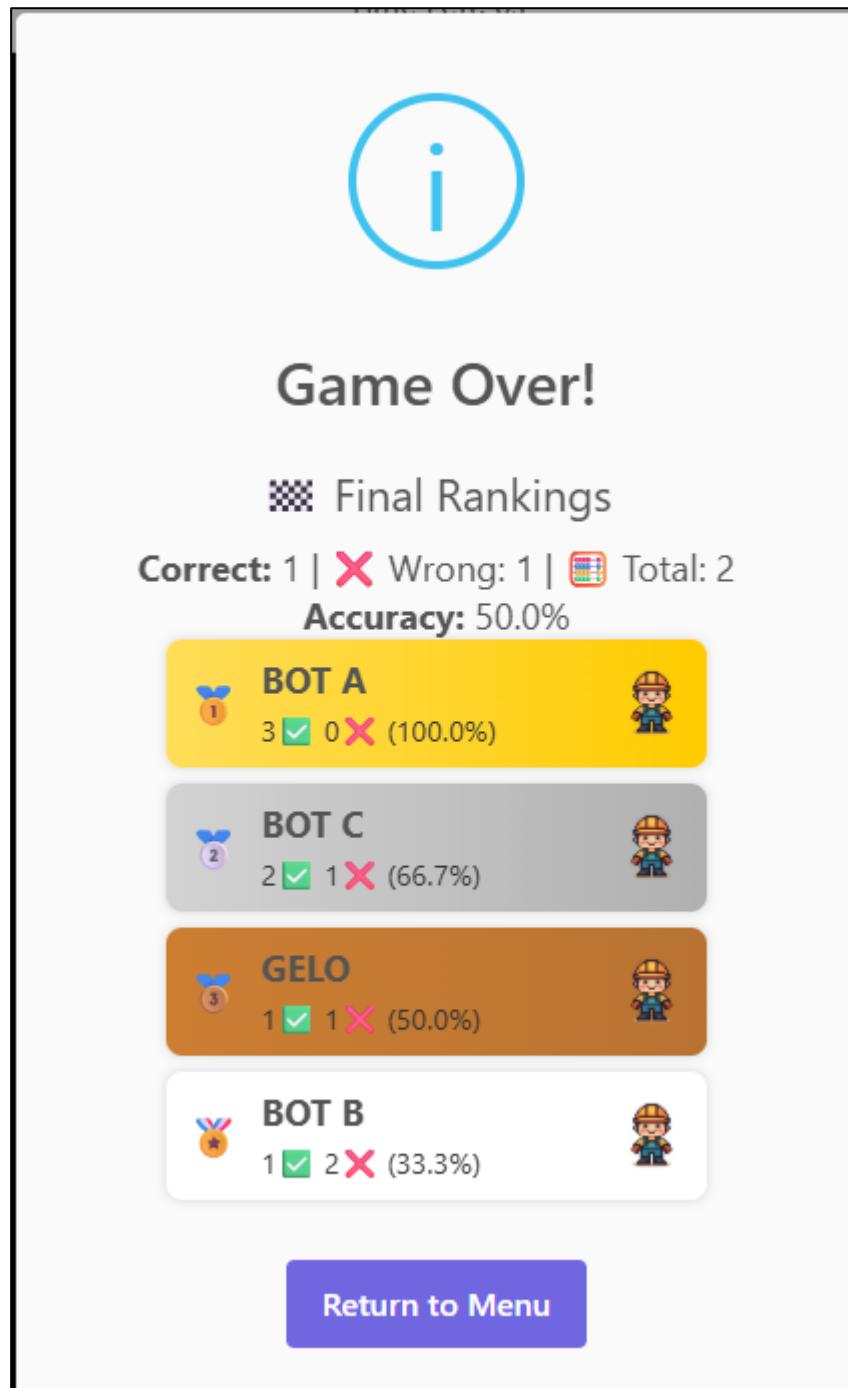
- A. Option 1: A symbol of a vertical line with a circle at the top.
- B. Option 2: A symbol of a horizontal line with a circle at each end.
- C. Option 3: A symbol of a vertical line with a downward-pointing arrowhead at the bottom.
- D. Option 4: A symbol of a vertical line with a zigzag line at the bottom.

At the bottom of the screen, there are three rows of icons. The first row contains a character named "GELO" and a gear icon. The second row contains characters labeled "BOT A" and "BOT B", each with a gear icon below them. The third row contains a character labeled "BOT C" and a gear icon.

4. For every correct answer, the character will go up, and for every wrong answer the character will go down

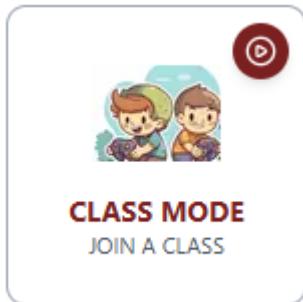


- Once the timer ends, it will show the result of the ranking

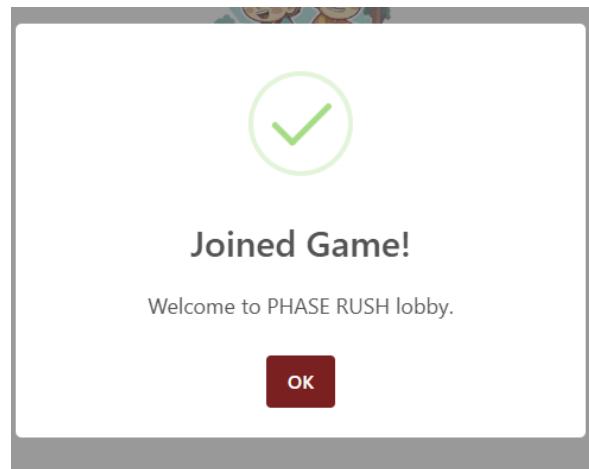
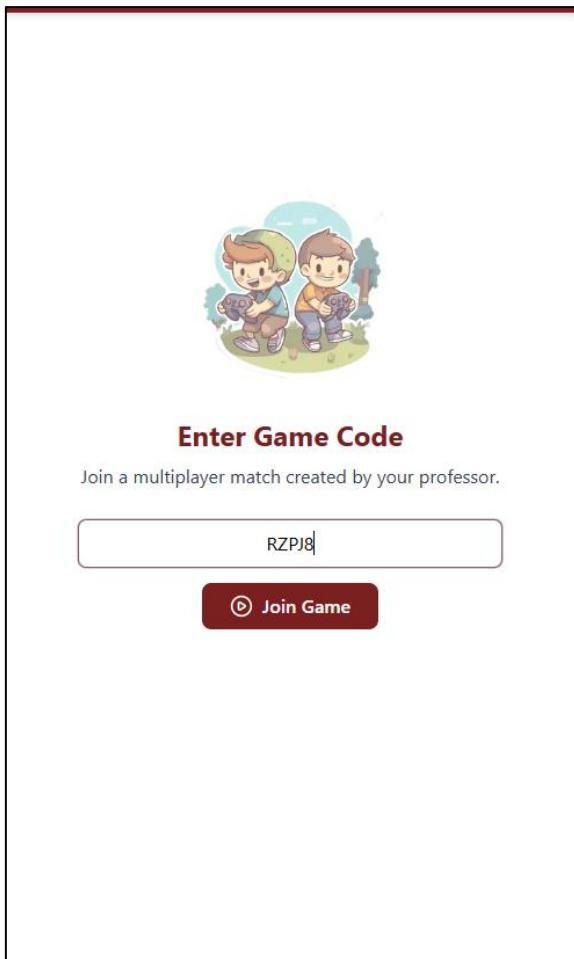


**CLASS MODE:**

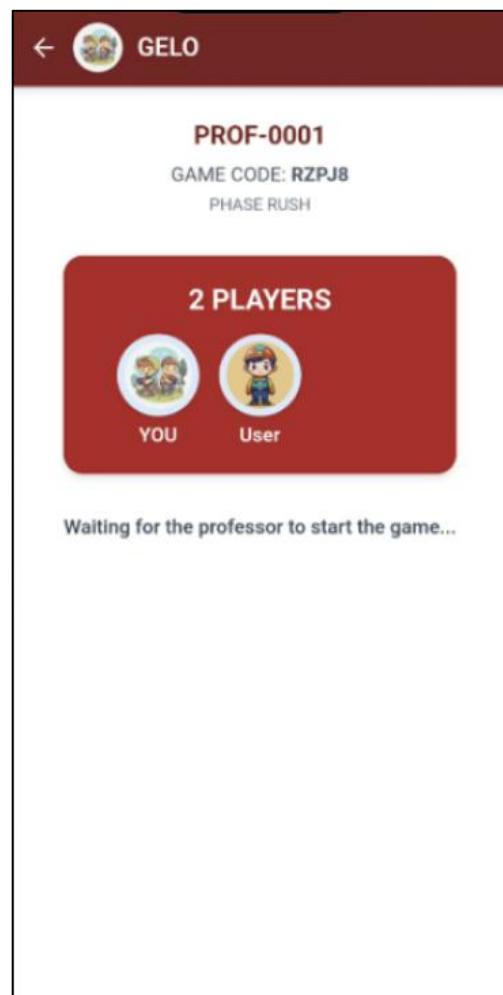
1. Choose **CLASS MODE** to begin



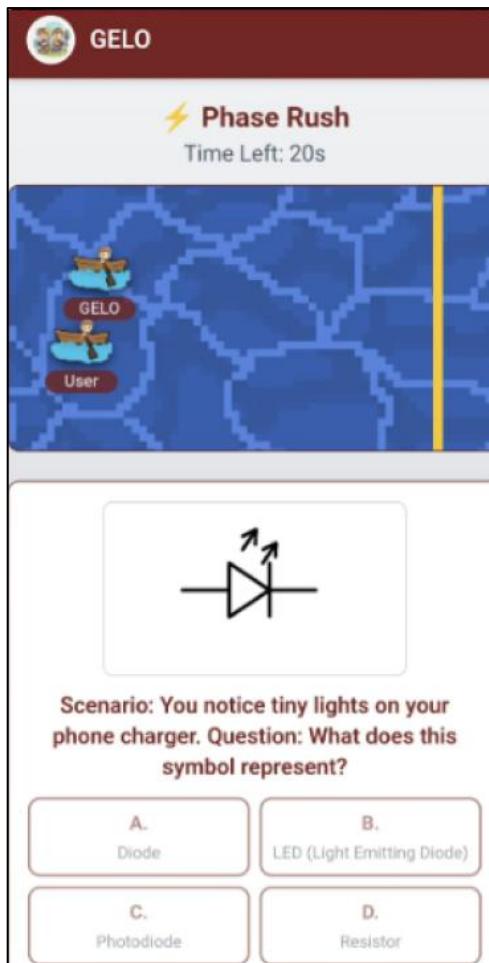
2. Put the game code that will be provided by your teacher



- Once successful, wait for the teacher to start the game



4. For ever correct answer, your character will move forward and for every wrong answer your character will move backward. Finish the game until the duration of the game ends



- Once the game is completed, it will show the ranking for that game

