

## COMP3423 A1 ZHOU Siyu 21094655D


Link for the prototype demonstration in Figma:

<https://www.figma.com/proto/pGpLZZjAuBkz8D3t9rgZmQ/HCI-A1?type=design&node-id=28-62&t=yF3ZfwqZwLXwSLT8-1&scaling=scale-down&page-id=1%3A3&starting-point-node-id=28%3A62&mode=design>

Steps to use the app:

1. (Home Screen) Firstly the tablet shows the home screen with 4 buttons that directed to 4 different sections.




2. (Progress tracking screen) By tap the button "people" , screen will be navigate to progress tracking screen.



"Progress" shows the percentage of number of questions answered.


- a. (Achievements) Tap "Achievement", it will navigate to the highest mark in level 1 game and level 2 game.



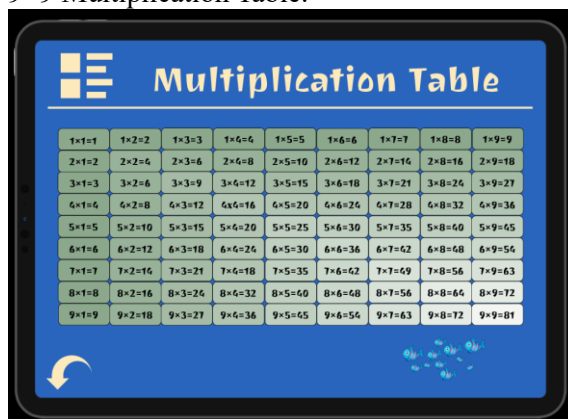
Then tap the icon  "undo", get back to the progress tracking screen.


- b. (Areas for Improvement) Then tap "Areas Need To Improve", it will navigate to the areas where question always got wrong.




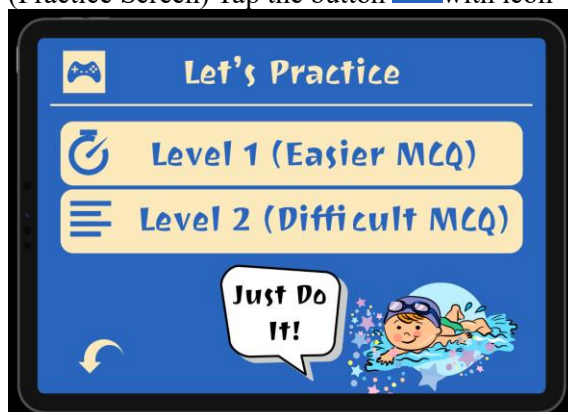
Back to the main screen by tapping the icon  "undo" twice.

3. (Multiplication table screen) Tap the button  on the screen, then it will show the 9×9 Multiplication Table.

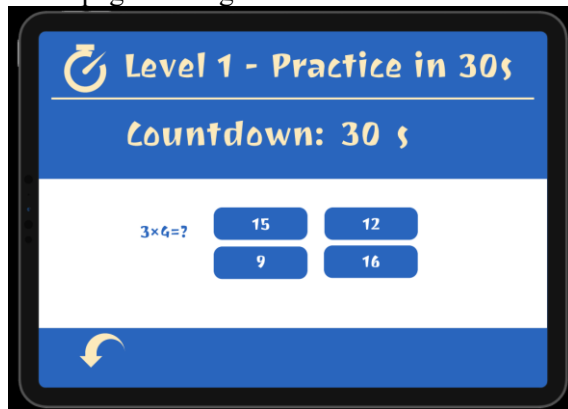


Back to the main screen by tapping the icon  "undo".

4. (Practice Screen) Tap the button  with icon "game pad".

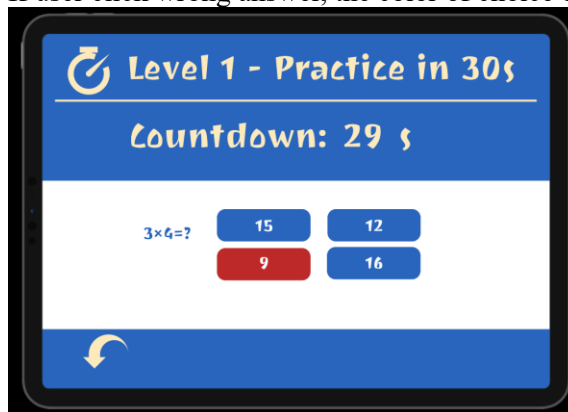


- a. (Level 1 Game) Tap the button "Level 1 (Easier MCQ) ", screen will be navigated to the page of the game with countdown timer.




User can tap 1 button to let system check the answer.

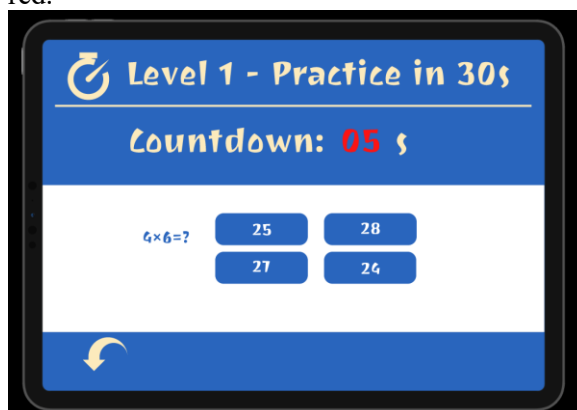
If user click wrong answer, the color of choice button will turn to red.



If user click right answer, the screen will directly navigate to the next question.


If user want to quit from this game, then just tap the icon  "undo".

If the countdown timer goes under 5 seconds, the color of left time will become red.

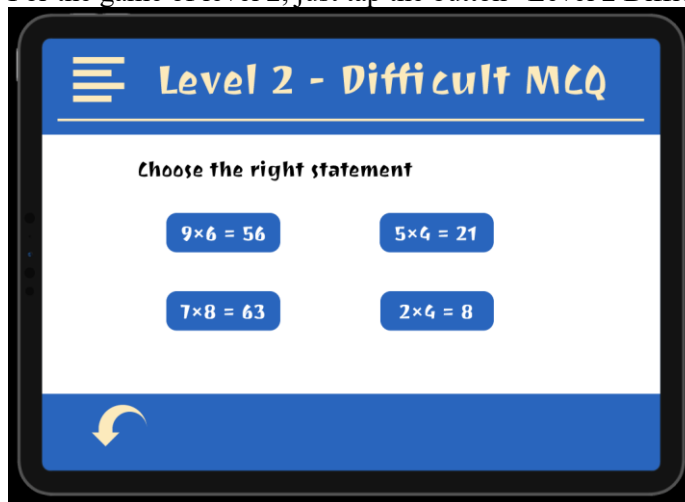


If countdown timer goes to 0 second, the screen will directly navigate to the result screen with rating.

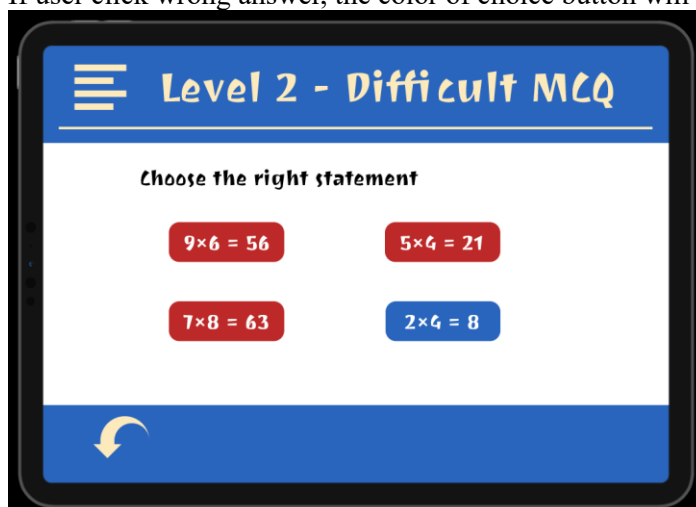


Then just tap the icon  "undo".

- b. For the game of level 2, just tap the button "Level 2 Difficult MCQ".



If user click wrong answer, the color of choice button will turn to red.



If user click right answer, the screen will directly navigate to the next question.

If question runs out, the screen will directly navigate to the result screen with rating.



5. (Setting Screen) Tap the button with icon "cog".



Just tap the toggle switch to another status back and forth to set up sound and music.