

CSSE 1001 ASSIGNMENT 3

Additional features description and approach in coding

This part of the assignment is Python based Bouncing Ball game comprises of a bouncing ball and paddle which is enabled when the user presses the 'Play' button located on bottom right of the queuing window.

I have adapted Top-level tkinter widget to enable a convenience interactive environment while the user plays the game in its own window.

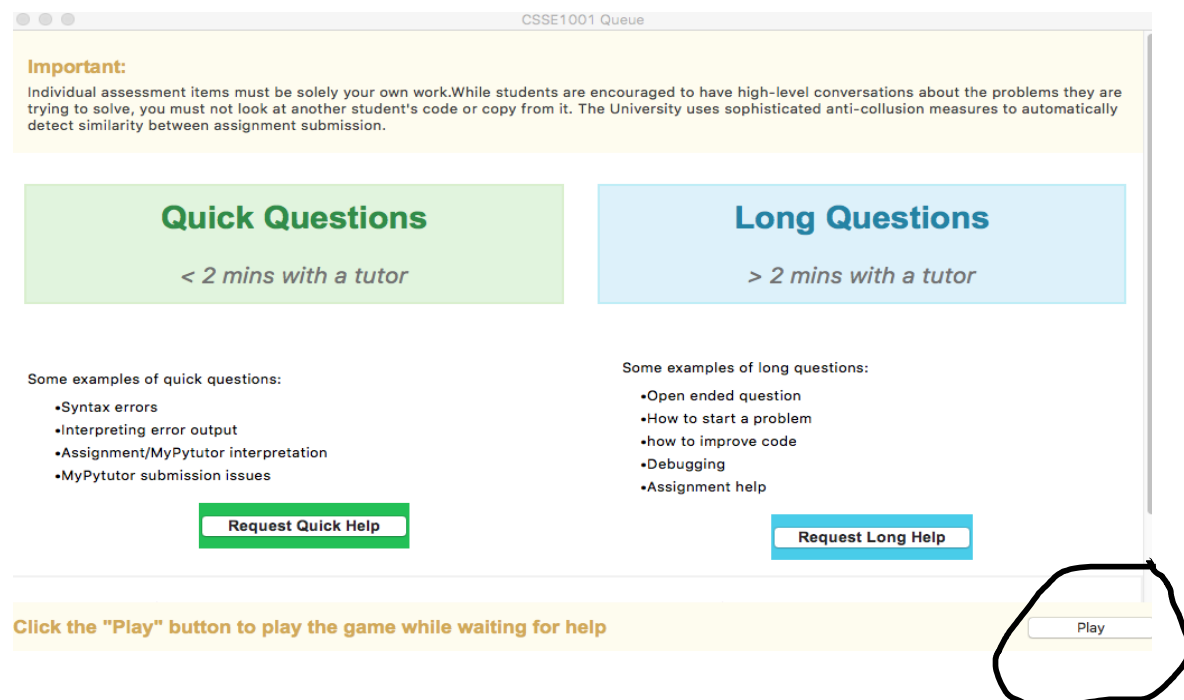
Moreover, having a variety of options such as quit the game while playing when it is their turn to get help from the tutor as well as the start game button to prepare before playing, makes it a perfect user interactive interface.

User manual.

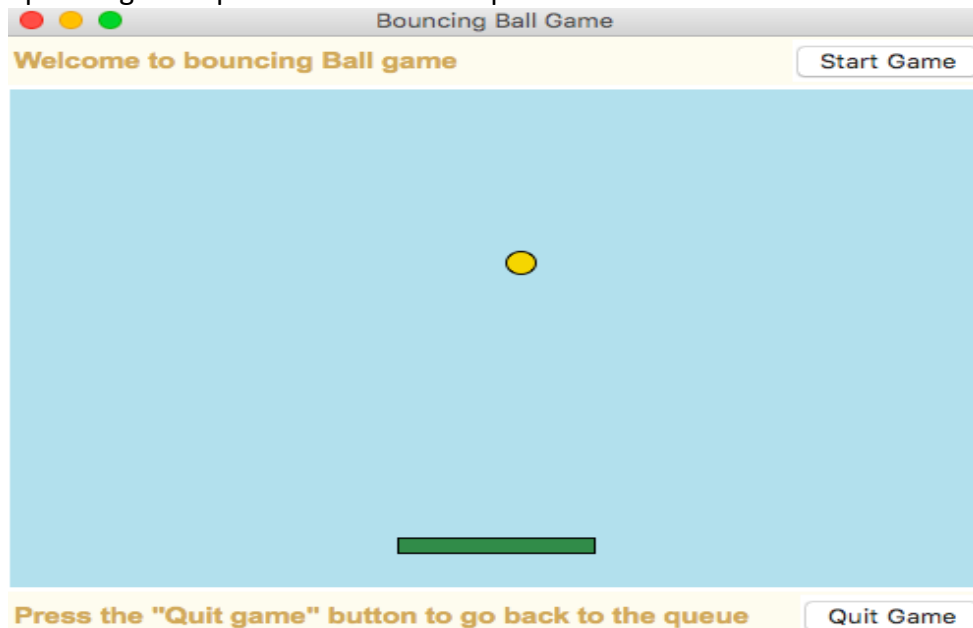
The game is made straightforward, uninvolved and manageable in a way that any user can play it hence make it more manoeuvrable interactive interface to non-gamer user.

The only keys involve in playing the game are left and right arrow keys which move the paddle in either direction to catch the ball as it bounces.

This is how the main window looks like. To go the game window, the user should press the 'Play' button encircled in the picture bellow.



Immediately when the play button is pressed in the queuing window, a game window pops up having two options as seen in the picture bellow.



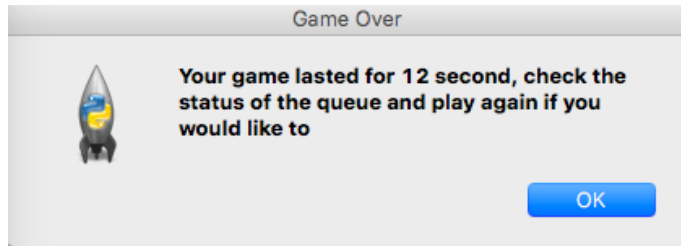
The 'Start Game' enables the user to begin the game while the 'Quit Game' button quit the game if the user does want to play or finds it boring and go back to the queue.

When the 'Start Game' button game is pressed, the game begins and the welcome message changes to green confirming as well as guiding the user on how to play as seen bellow.



When the game ends, I made it convenient is a way that it records the time the user has been playing it and displays it to them.

If the game is over in less than a minute this message box appears and by pressing the 'OK', they go back to the queue.



Otherwise, this message is shown with the time taken and by pressing the 'OK', they go back to the queue.



Reference:

This game is adapted from the internet: <https://www.youtube.com/watch?v=9tVCYIcwNjw>