Ceng453 - GUI Test Cases

Case 1 :

Description	Value
Test ID	1
Summary	Validation of Leaderboard Functionality
Prerequisites	1 - User opens the game application and sees the Main screen
Procedure	1 - User Clicks 'Leaderboard' Button on Main screen
Expected Result	1 - User validates that clicking the switch button switches the shown leaderboard from All Time to Seven Days or 30 days LeaderBoards.

Case 2 :

Description	Value
Test ID	2
Summary	Validation of Login Screen with Correct Credentials
Prerequisites	1 - User opens 'Frontend' Application and sees the Main screen
Procedure	1 - User enters 'testuser01' as username 2 - User enters '123' as password 3 - User clicks Login Button

Expected Result	1 - User validates that clicking the login button makes the Application start the game

Case 3 :

Description	Value
Test ID	3
Summary	Validation of Login Screen with Incorrect Credentials
Prerequisites	1 - User opens Main application and sees main screen.
Procedure	1 - User enters 'non-existent' as username 2 - User enters 'non_existent' as password 3 - User clicks Login Button
Expected Result	1 - User validates he/she is shown an error message with error 'Username or password is incorrect'

Case 4 :

Description	Value
Test ID	4
Summary	Validation of Register Screen Functionality
Prerequisites	1 - User opens 'Frontend' Application 2 - User navigates to Sign up screen using the SIgn up button

Procedure	1 - User enters 'user1' as username 2 - User enters '123456' as password 3 - User enters '123456' as password confirmation 4 - User clicks Sign up Button
Expected Result	1 - User is returned to the main screen 2- User validates they are signed up.

Case 5 :

Description	Value
Test ID	5
Summary	Validation of Ability to Move
Prerequisites	1 - User opens the Application 2 - User enters 'testuser01' as username 3 - User enters '123' as password 4 - User clicks Login Button
Procedure	1 - User moves mouse in the game screen
Expected Result	1 - User validates user's ship moves to the location of the mouse

Case 6 :

Description	Value
Test ID	6
Summary	Validation of Losing Functionality of the Game
Prerequisites	1 - User opens the Application 2 - User enters 'testuser01' as username 3 - User enters '123' as password 4 - User clicks Login Button
Procedure	1 - User moves mouse in the scene to collide with the alien ship bullets
Expected Result	1 - User validates a 'Game Over' screen is appeared after he/she repeats the first item in procedure

Case 7 :

Description	Value
Test ID	7
Summary	Validation of Changing Levels
Prerequisites	1 - User opens the Application 2 - User enters 'testuser01' as username 3 - User enters '123' as password 4 - User clicks Login Button
Procedure	1 - User destroys all alien ships in the first level by shooting them
Expected Result	1 - User validates they are navigated to a new level with different enemies

Case 8 :

Description	Value
Test ID	8
Summary	Validation of Completion of the Game
Prerequisites	1 - User opens the Application 2 - User enters 'testuser01' as username 3 - User enters '123' as password 4 - User clicks Login Button
Procedure	1 - User completes all four levels of game by destroying all alien ships and surviving
Expected Result	1 - User validates he/she is navigated to a Finish screen

Case 9 :

Description	Value
Test ID	9
Summary	Validation of Sign up Screen with invalid Input
Prerequisites	1 - User opens 'Frontend' Application 2 - User navigates to SIgn up screen using the Signup button
Procedure	1 - User enters 'user111' as username 2 - User enters 'somepass' as password 3 - User clicks Sign up Button

Expected Result	1 - Alert will be shown to User stating "password again required"

Case 10 :

Description	Value
Test ID	10
Summary	Validation of Login Screen with invalid Input
Prerequisites	1 - User opens the application
Procedure	1- User leaves one of the fields in username and password empty 2- User clicks Login Button
Expected Result	1 - Alert will be shown to User saying that "password required"