

CS408 Team 8
Space Fighter
README.md

How to Run Project

This project can be run in Ubuntu, MacOS, or Windows. If running in Windows, please insure that the latest version of the Java Runtime Environment (JRE) is installed. First, locate or download the executable file. Then, navigate to directory that contains the project file. After that, run the following command (assuming the jar file is SeededProject.jar) in the terminal (or command prompt for Windows):

```
java -jar SeededProject.jar
```

How to Start Game

The first time you open the game, you will need to register an account by clicking 'register'. Then, you will log in to your account by entering in the information you just registered with. This will bring up a screen which asks you to enter in your game settings. You can also view your profile from this screen which will display all your information and scores. Select the options you want to play with for the radio buttons including gravity settings, lives, and asteroids. Then, select a game mode from the dropdown list. These modes are explained below:

- **Single Player Mode** - In this mode, it is just you versus the computer (and the asteroids). Shoot as many asteroids and alien ships as possible. You should only see your score and lives in the upper-left hand corner.
- **Two Player Mode** - In this mode, two players play against each other using the same keyboard. Not only do they have each other to worry about, they also still need to avoid the alien ships and asteroids. You will see player 1 and 2's scores and lives in the upper-left hand corner.
- **Boss Fight** - In this mode, there are two players but they are playing WITH each other to fight the enemy boss spaceship. There are no asteroids on this mode. Again, you should see both player 1 and 2's scores and lives in the upper-left hand corner.

Game Controls

Command	Player 1	Player 2
Shoot	Spacebar	J
Move and Turn	Arrow keys	W, A, S, D
Change Weapons	[comma key]	Z
Pause game	ESC	ESC

Game Over

Once the game ends (you run out of lives), the game will stop and a list of high scores will pop up. If you just scored more than one of the high scores, it will show up on this list. If you want to play again at this point, you will need to rerun the application.