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Algorithms & the Internet C Block

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Asteroid Type User Guide

How to run the project:

1. Unzip the file in Visual Studio Code.
2. Open a terminal within Visual Studio Code (Ctrl + `).
3. Inside the terminal, make sure you are in the “DesignProject” directory (if not, type and enter: “cd DesignProject”).



```
alexanderbruneau@LAXUCD08106: DesignProject %
```

4. Once in the correct directory, type and enter: “npm install”, to install the necessary intermediate files.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
alexanderbruneau@LAXUCD08106 DesignProject % npm install
up to date, audited 101 packages in 1s
12 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
```

5. In the same directory, type and enter: “node server.js” to run the server that the game will be played on.

```
alexanderbruneau@LAXUCD08106 DesignProject % node server.js
Server on port 8080
```

6. Open a browser and search “127.0.0.1:8080” to load the game

← → C

7. Make sure to close the server when you finish playing. To do this, go into the terminal and enter: “Ctrl+C”

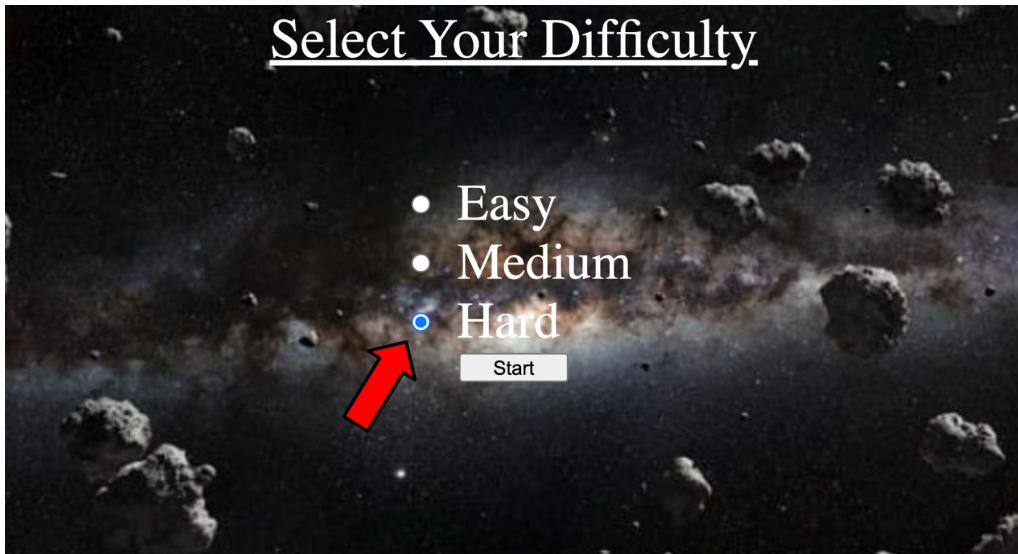
Objective:

1. The objective of this project is to help people of all ages improve their typing skills in a fun and exciting way!
2. Through this project, people can learn useful typing skills that are beneficial in any computer-related job or passion they may pursue in the future.

How to play:

1. For best user experience, turn your audio on before you start, to hear all the game sound effects.
2. Click the start button on the initial home page to play, or the tutorial button if you need a quick refresher on how to play.
3. After clicking the start button, you will be led to a page where you can select your difficulty (easy, medium, or hard). Depending on your difficulty level,

the word length and spawn rate of asteroids will change, so pick wisely!

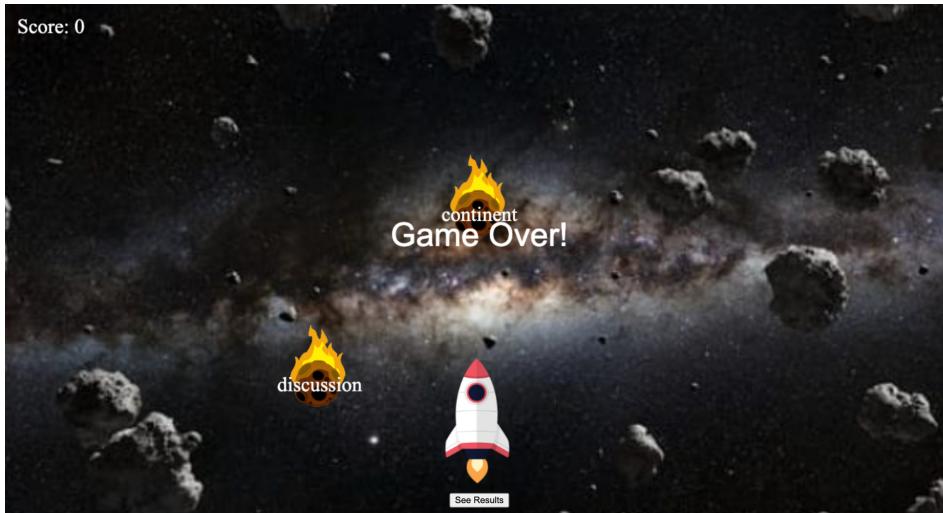


4. After you select your difficulty level, click the start button to begin the game.
5. Use the right and left arrow keys to maneuver your rocket under the falling asteroids. The asteroids will only destroy if your rocket is in the proper column below each asteroid!



6. Type the words inside the asteroids in order to destroy them.

- Only type in lowercase.
 - You can only type after your rocket has finished moving.
 - Do not leave the column once you start attempting to destroy an asteroid or else your rocket will malfunction.
7. Destroying asteroids gives you points, and the length of the word you type will determine the amount of points you get. Try to beat your current best record!
8. If the asteroid hits the ground, the game ends and you have lost. So make sure the asteroids don't reach the bottom of the screen!



9. Once the game ends, click “See Results”, in order to see your score, high score, and an option to return to the home page.