

# Short Users Manual

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## How to Run the Program

- Make sure the **Live Server** extension is installed in **VSCode**.
  - From **index.html** file, click on 'Go Live' and the game will be opened in your browser.
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## How to Play the Game

### Initial Menu

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- The player must click on the car that he will control (on the left parking lot) and, also, on the car he will race against (on the right parking lot), controlled by the program.
  - The player must enter an username.
  - The player can select a difficulty level (normal or hard).
  - After doing all this, the player is presented with the option to start and can click on it.
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### Gameplay

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#### Key Controls:

- [W] Accelerate
- [S] Brake/Reverse
- [A] Turn Left
- [D] Turn Right
- [Q] Pause
- [E] Switch Camera Mode
- [ESC] Quit Race

- Both cars start close to the finish line and have to wait 3 seconds to start racing.
- The first car to complete 3 laps wins.
- If the player quits the race, the opponent is officially the winner.
- There are 2 power-ups on the track, a speed booster (speed with 70% increase for 2 seconds) and a portal (instantaneously places the player car in a point ahead on the track).
- When the player car passes through a power-up, the player is forced to pick an obstacle from the 3 available in the obstacles area. Then, the player should place the chosen obstacle in any location on the track by clicking on it.

- The 3 types of obstacles are: dizzyness (turn left/right commands become switched for 4 seconds), slowness (speed decreased by 60% for 4 seconds) and blocking (car stuck in place for 3 seconds). When the player car hits an obstacle, the corresponding effect is applied.
  - Only the player's car is affected by power-ups and obstacles.
  - Collisions between vehicles have physical outcomes.
  - When the player's car is off-track, its speed is decreased by 80%.
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## Game Over Menu

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- After a race, the player knows the winner and loser cars, and the respective times.
  - There are buttons to either restart the race with the same cars or return to the initial menu.
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