

Datanettverk og Skytjenester

DATA-2410 - Spring 21

Portfolio 2 Assignment

Groupe 25

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1. Executing The Web Application (NOTE: The execution requires docker.)

Without SSL-certificate:

Step one: make sure you have Docker installed on your machine

Step two: create the image.

```
$ docker build -t <image-name> .
```

Step three:

```
$ docker run -p 5000:5000 -d --name <container-name>  
<image-name>
```

now check <http://localhost:5000/>

With SSL-certificate

```
$ docker-compose -f docker-compose.yml up -d
```

now check <https://localhost:5000/>

Extra Material:

We also have a heroku app running, for the project app on the link below:

[Snake Game \(portfolio2-snake.herokuapp.com\)](https://portfolio2-snake.herokuapp.com/)

2. What To Expect

Start page:

Multiplayer Snake Game

Username:

Join the game

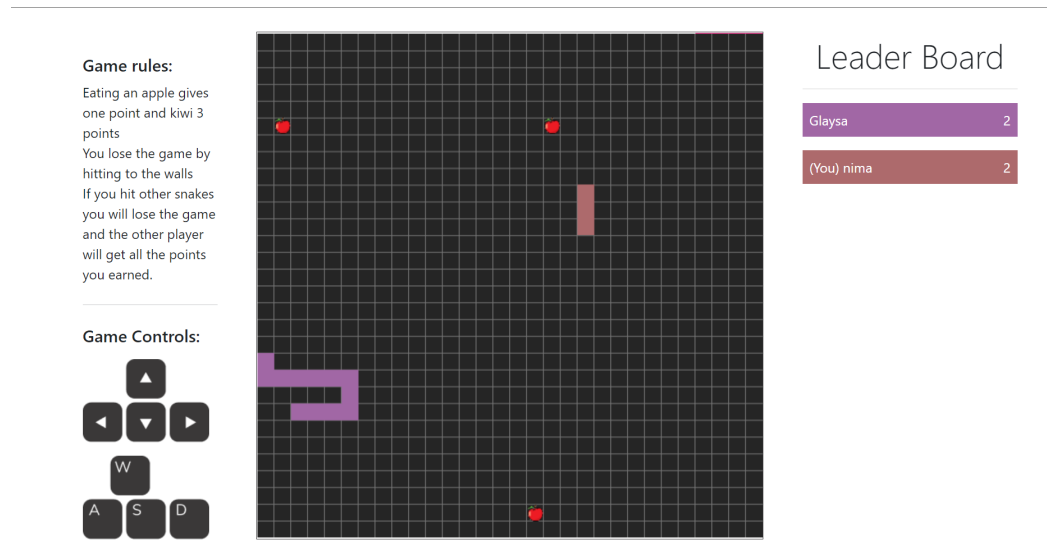
RECORDS

Highest Score	
Glaysa	3
nima	2

When the server is running, the localhost page on port 5000 will show the following UI. In order for a player to join the game, it requires the user to give a username, which the user player is going to be represented by in the game.

The start page also shows the highest scores of each player that have been playing the game.

Game page:



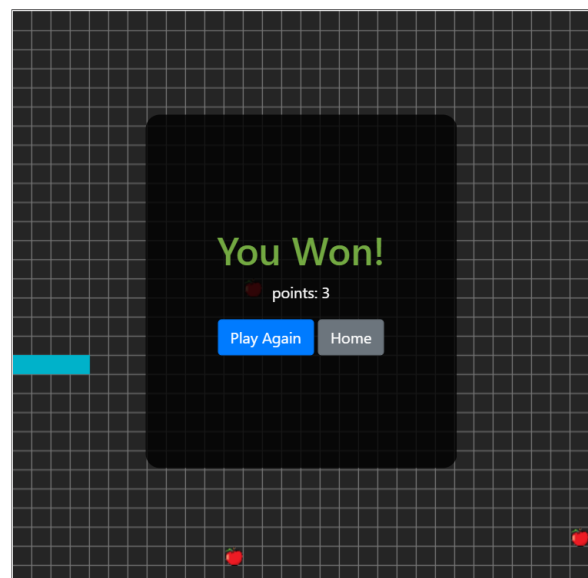
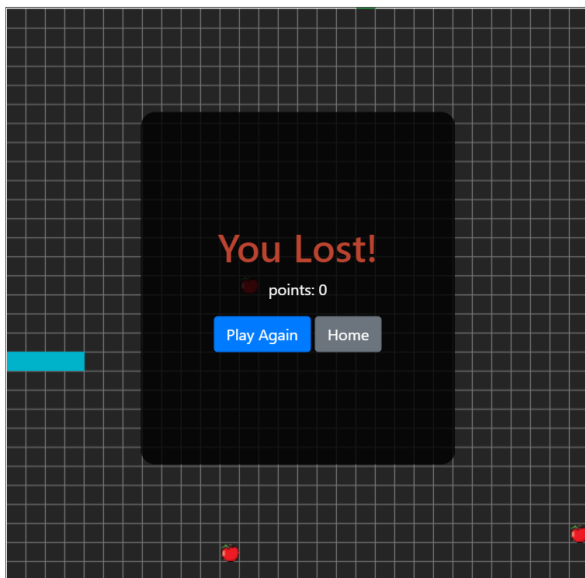
When joining the game the player will see a game canvas in the center, game rules and controls to the left of it. And, a leader board to the right, which shows the player names presented with their snake color and points they have earned.

Gameover alert:

When losing the game, the player has two options.

One is to rejoin the game by pressing the play again button. Or, the player can go to the start page again.

(Multiplayers on Game over)



(Single Player on Game over)

