User Manual

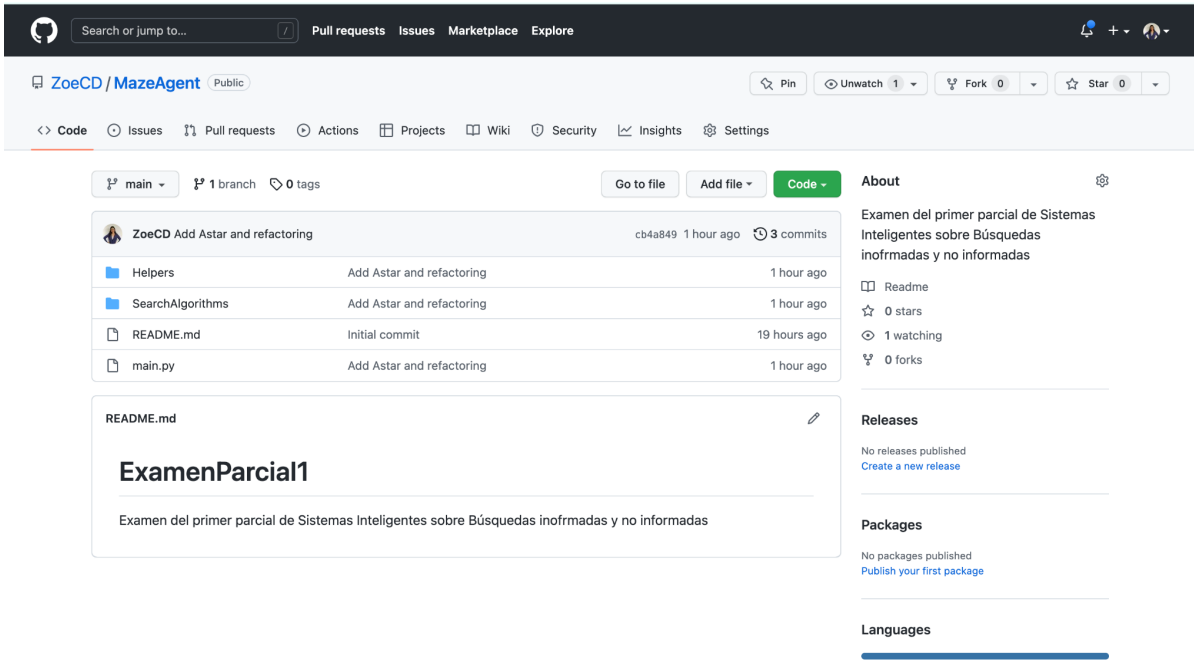
You can find the GitHub repository here.

1. Prerequisites

We use this incredible package to create random mazes. You can install it with the following command on the terminal:

```
>> pip install pyamaze
```

2. Download the repository

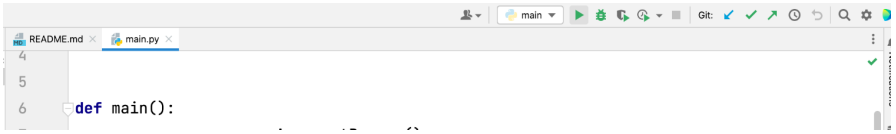


First, you will need to download the code, you can do this by clicking on the green “code” button. You can either clone the repository using git or download it as a zip file.

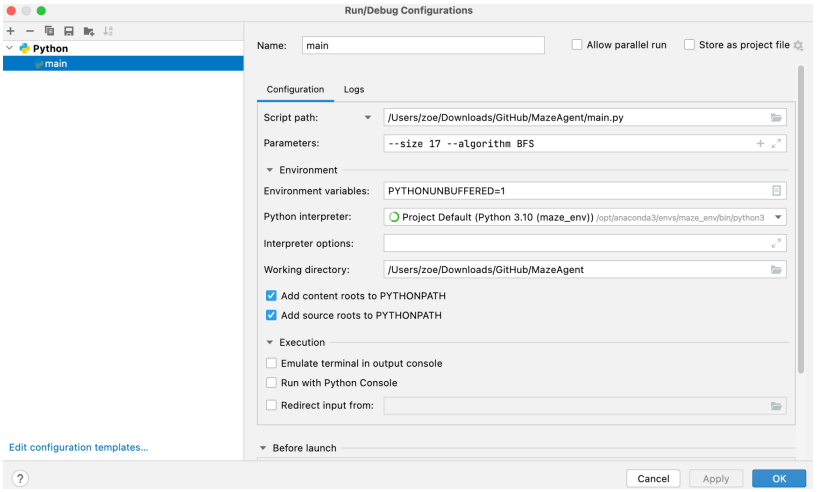
3. Run the code

With an IDE

You can open the project with an IDE. For example, using PyCharm, go to the file called “main” and click the green play button on the right top corner of the screen.



You can also adjust the parameters by clicking the gray arrow next to the play button and the name of the file. Then click “Edit configurations…”



As you see in the screenshot above, you can specify the function arguments in the “Parameters” field. The available options are “--size”, “--x”, “--y”, and “--algorithm”. Size will allow you to change the size of the maze. You can change the coordinates of the initial state with x and y. Finally, you can choose between Breadth First Search (BFS) or A* (Astar) algorithms.

Using the terminal

If you prefer to use the terminal, you can go to the location of the file and run the next command:

```
>> python main.py
```

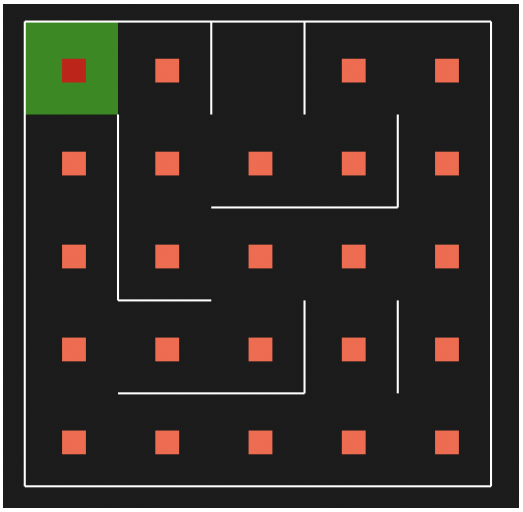
You can specify the parameters with any of the following flags followed by an integer or text for the algorithm.

```
--size INTEGER
--x INTEGER_LESS_OR_EQUAL_TO_SIZE
--y INTEGER_LESS_OR_EQUAL_TO_SIZE
--algorithm BFS_OR_Astar
```

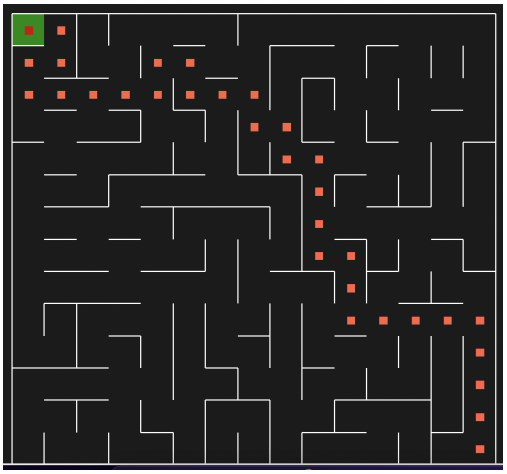
The default parameters are [size = 15, x = 15, y = 15, algorithm = Astar]

4. Enjoy the simulation

You can now see the simulation with the arguments you set!



BFS



A*