

AI Maze Solver

By

ID	Name	Contribution
213439	Mohamed Ashraf Fathy	Implemented DFS Algorithm
213009	Mustafa Walid Marzouk	Implemented module to allow the user to draw a maze
210991	Steven Hany Saad	Implemented BFS Algorithm
212611	Mostafa Hassan Mostafa	Implemented module to visualize the solution

Implemented Algorithms:

Breadth First Search (BFS)

Depth First Search (DFS)

Languages:

Backend:

- Python

GUI:

- JavaScript (React)
- HTML&CSS

APIs:

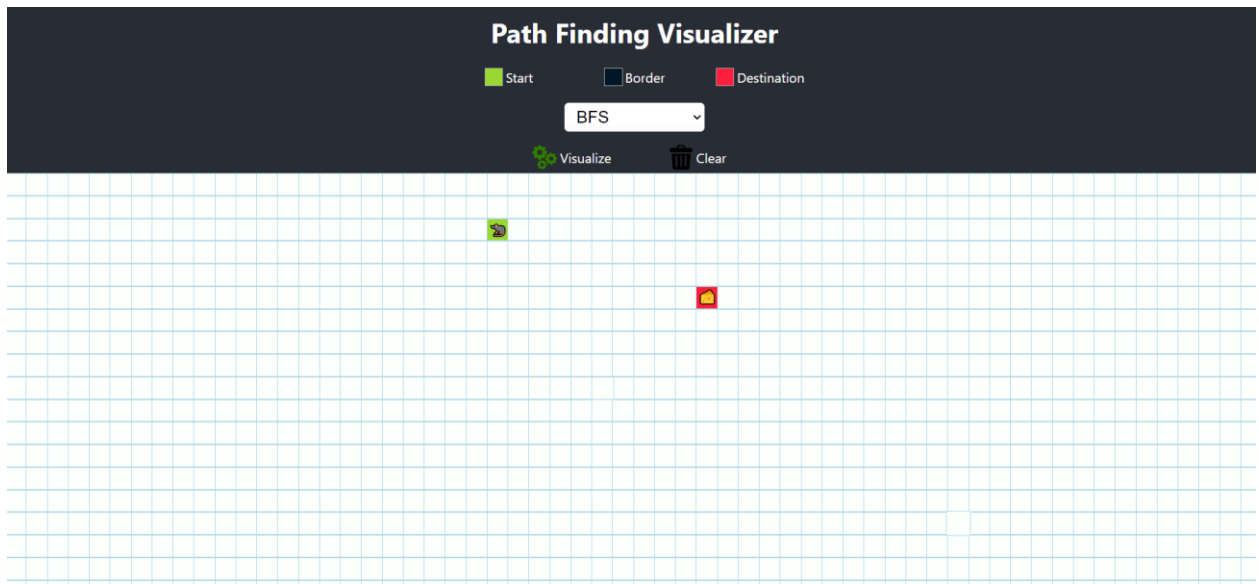
- Fastapi

- install NodeJS

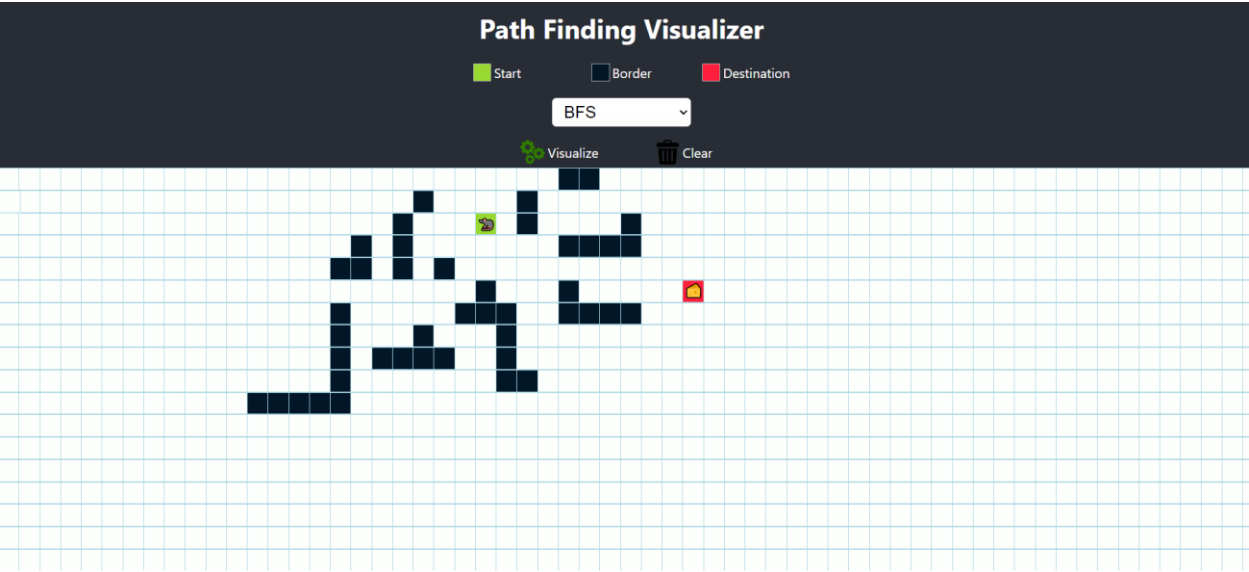
In the terminal:

- pip install uvicorn(to install fastapi module)
- npm install (To install the modules)
- npm start (Runs the app in the development mode)
- python backend/main.py (To start the backend server)

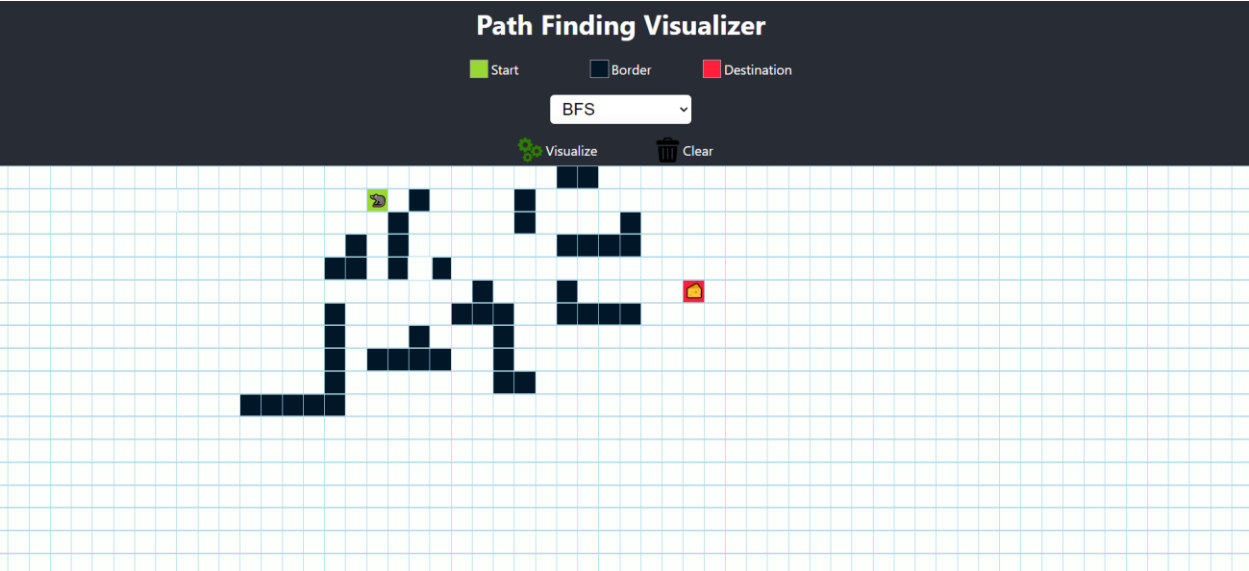
Initial screen



Click or Click-Drag to draw or erase borders



Click start/destination and then click on any cell to change the start/destination point



Click on the drop-down menu to change the algorithm



Click visualize to see the program in action 🔥💣

