- ## 1.description of the exercise

3. Labyrinth Create the Labyrinth game, where objective of the player is to escape from this labyrinth. The player starts at the bottom left corner of the labyrinth. He has to get to the top right corner of the labyrinth as fast he can, avoiding a meeting with the evil dragon. The player can move only in four directions: left, right, up or down.
There are several escape paths in all labyrinths. The dragon starts off from a randomly chosen position, and moves randomly in the labyrinth so that it choose a direction and goes in that direction until it reaches a wall. Then it chooses randomly a different direction. If the dragon gets to a neighboring field of the player, then the player dies.
Because it is dark in the labyrinth, the player can see only the neighboring fields at a distance of 3 units. Record the number of how many labyrinths did the player solve, and if he loses his life, then save this number together with his name into the database. Create a menu item, which displays a highscore table of the players for the 10 best scores. Also, create a menu item which restarts the game.
Take care that the player and the dragon cannot start off on walls

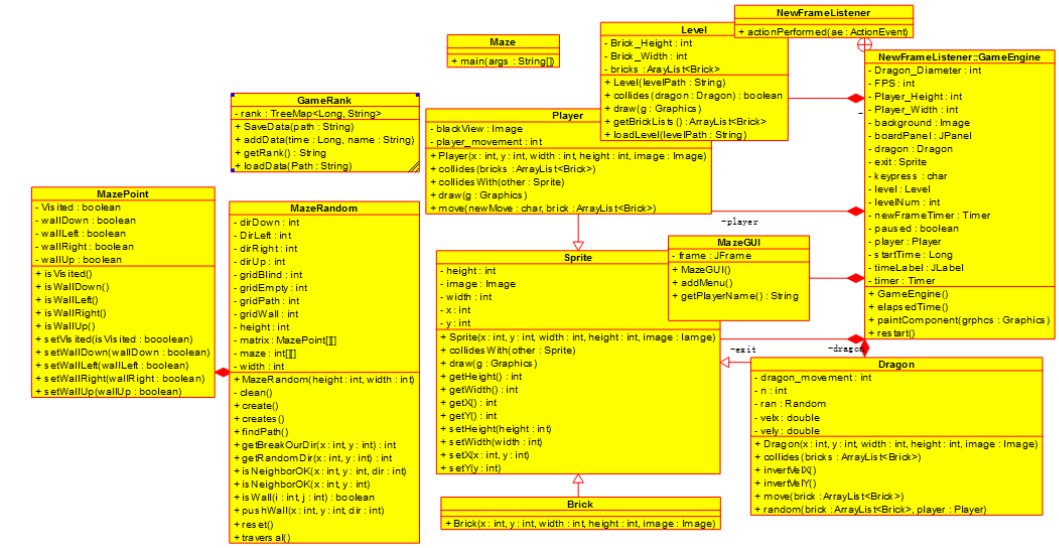
2. short description how to use your program (user doc)

You start as a player from the bottom left corner where darkness with only a distance of 3 unites visiable. Your goal is to climb the top right corner which is the destination.

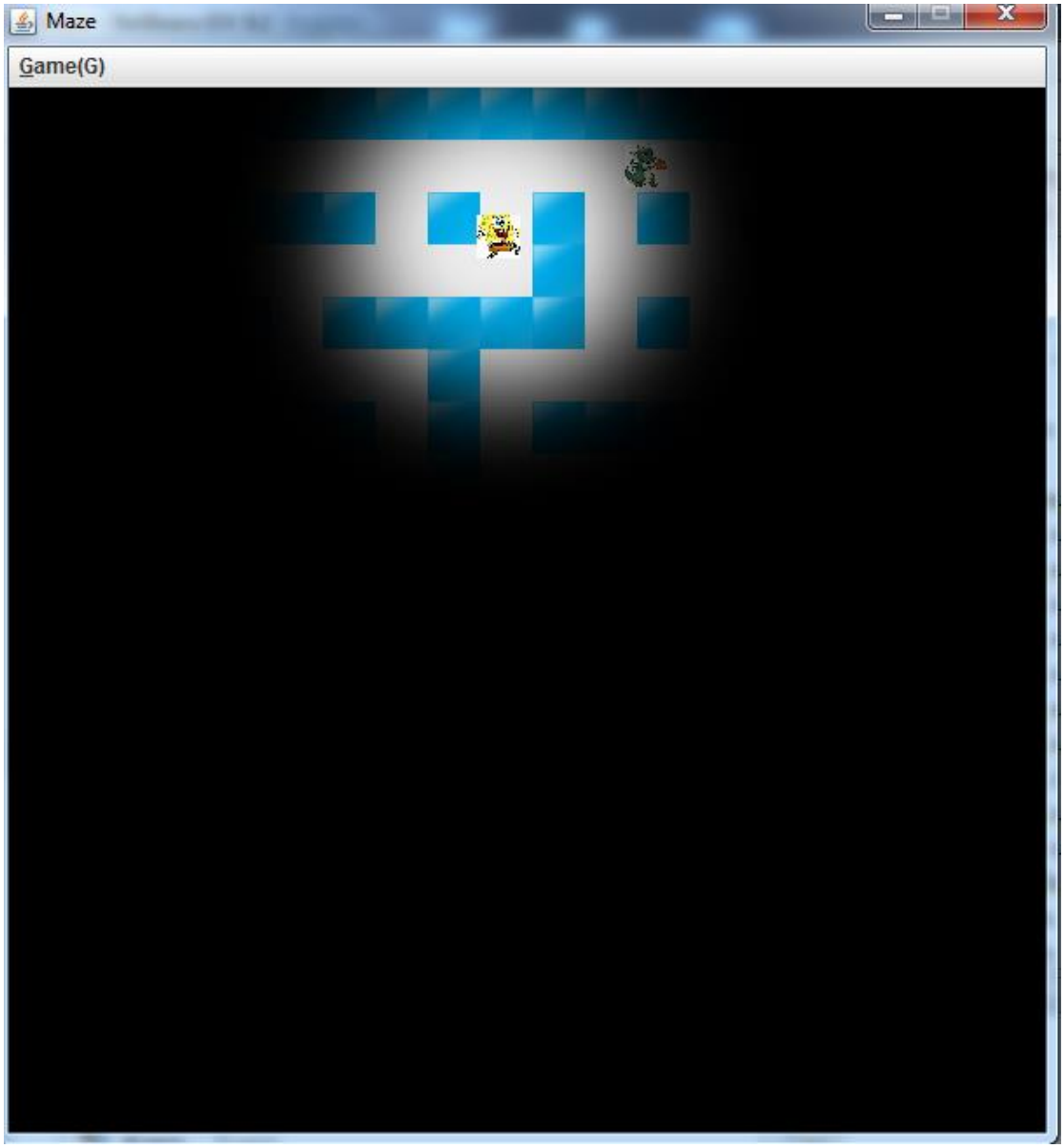
In the way of exploring, you may meet the evil dragon. Be sure to be away from more than 1 unit with the dragon, otherwise you will die and game restart.

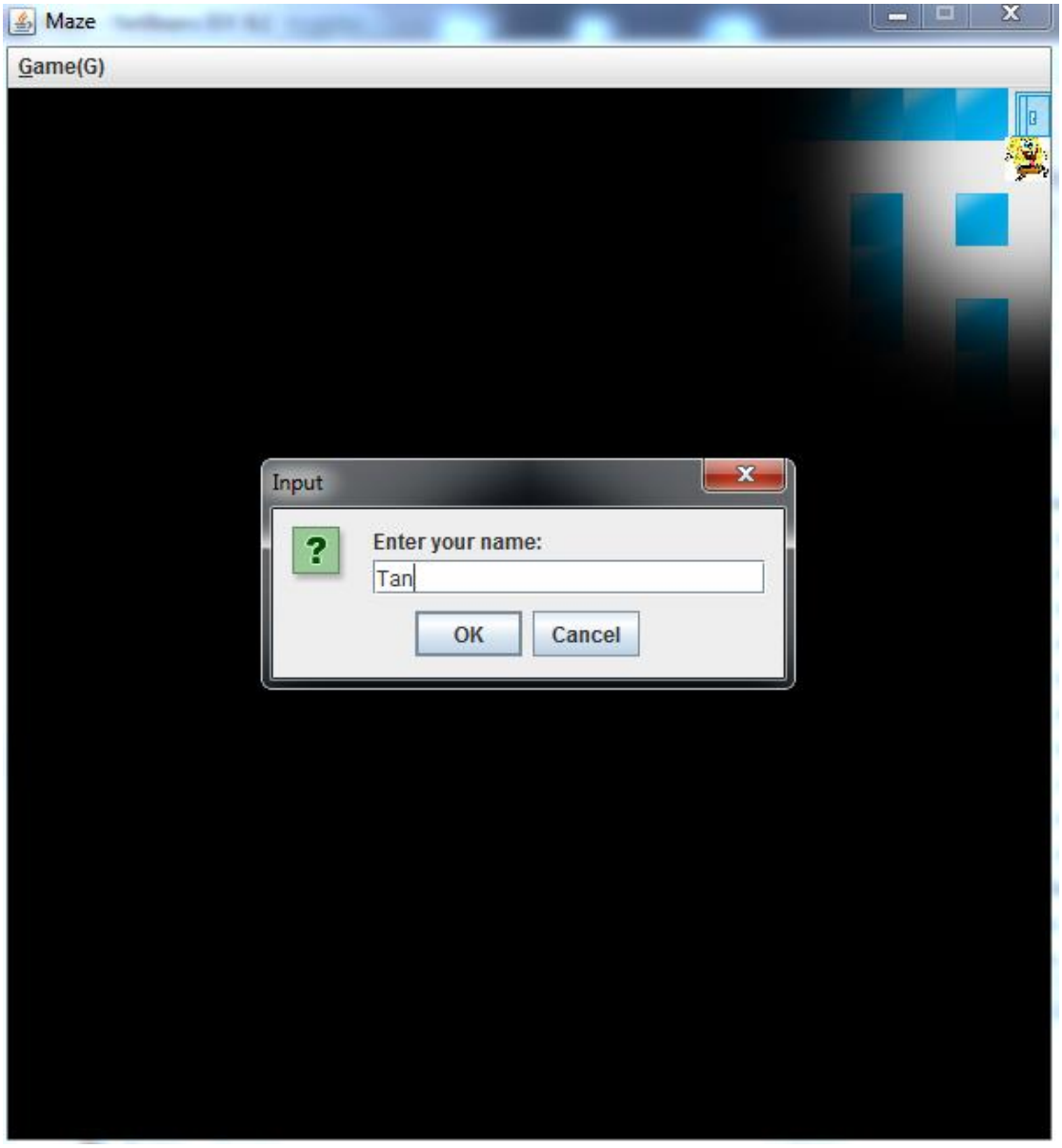
After winning the game, you need to type your name and the system will record the ranking of players.

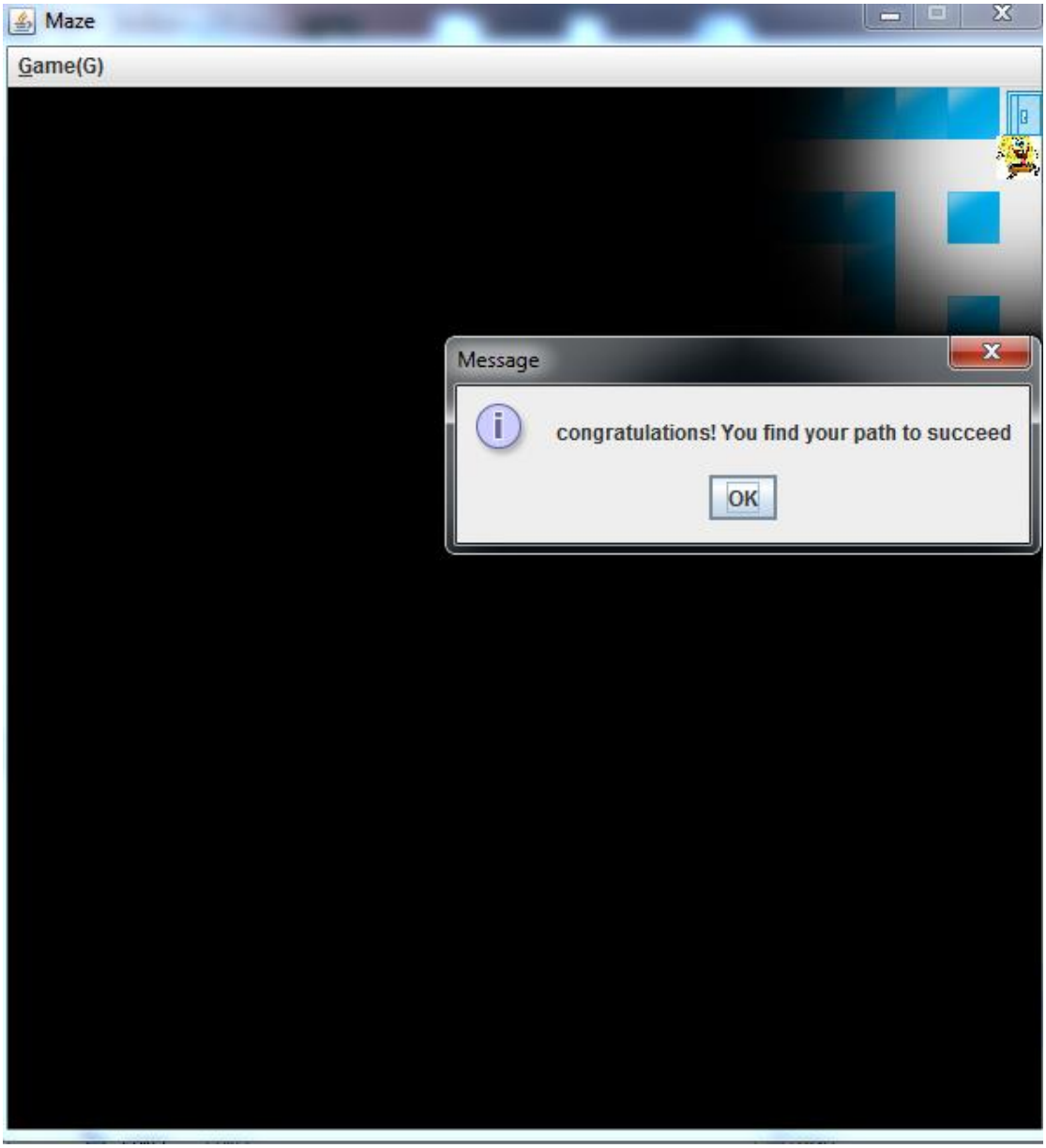
- ## 3.UML class diagram (made with a dedicated UML tool)

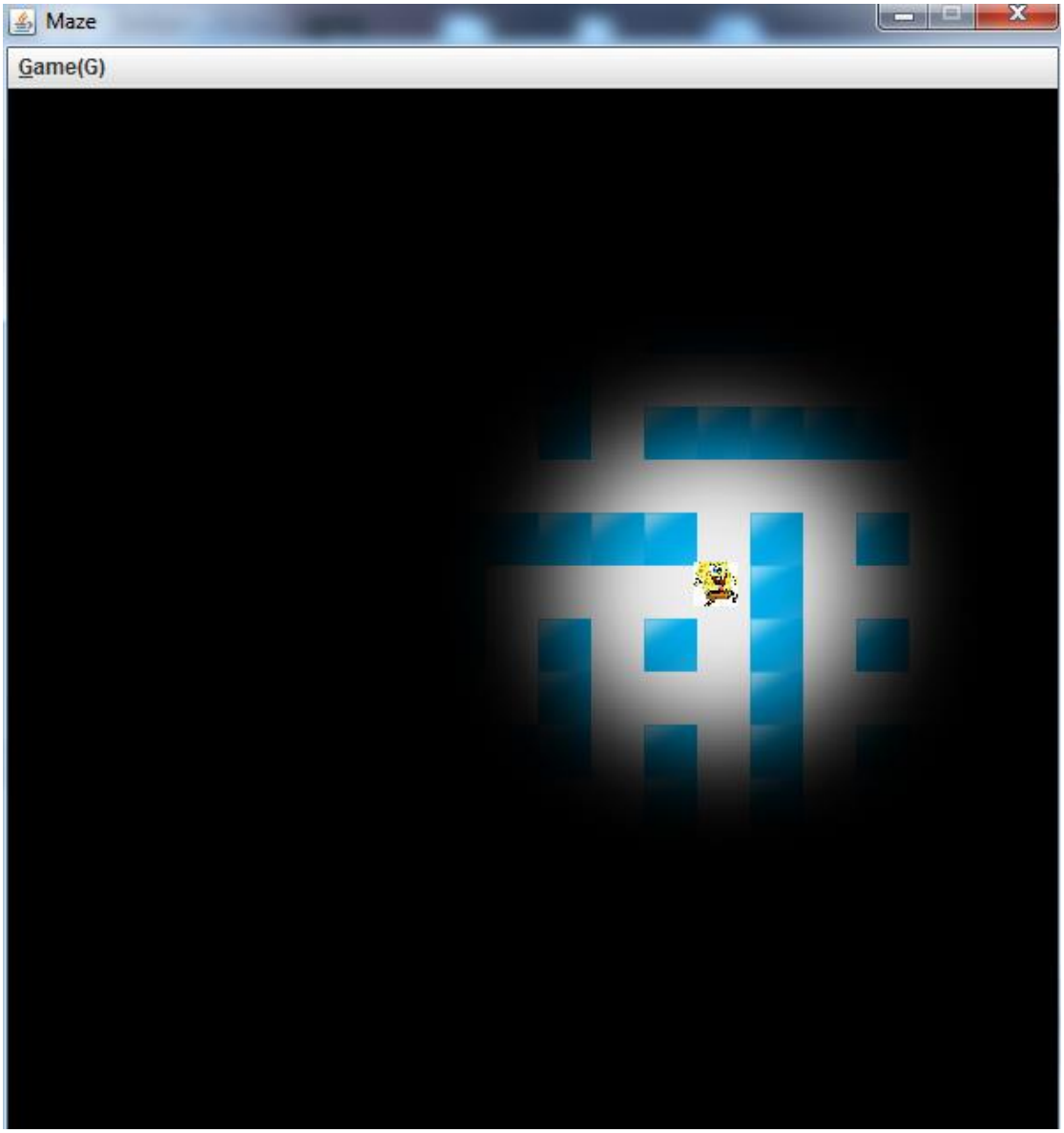


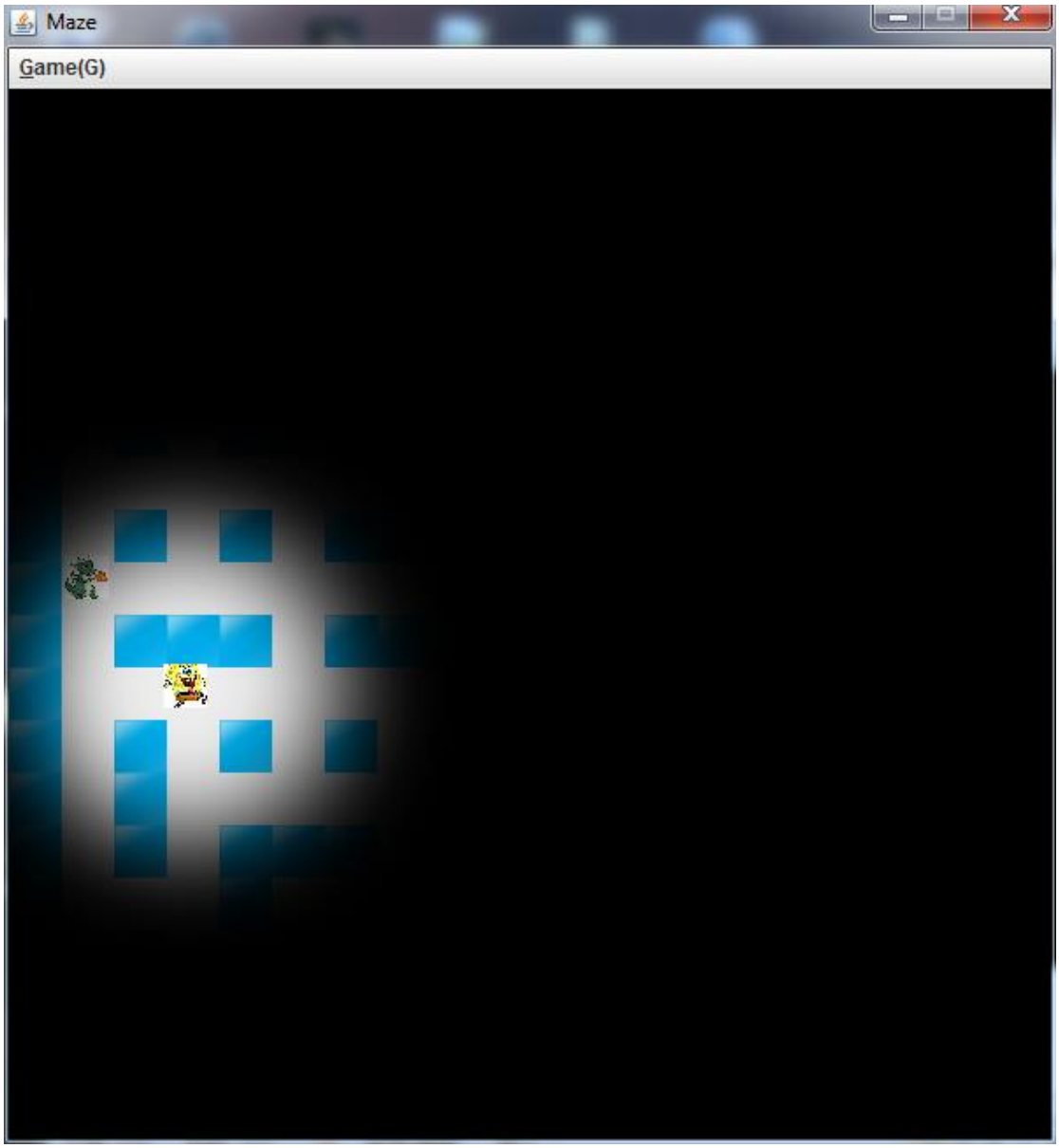
- 5. list of test cases you have tested (at least 10 pieces)

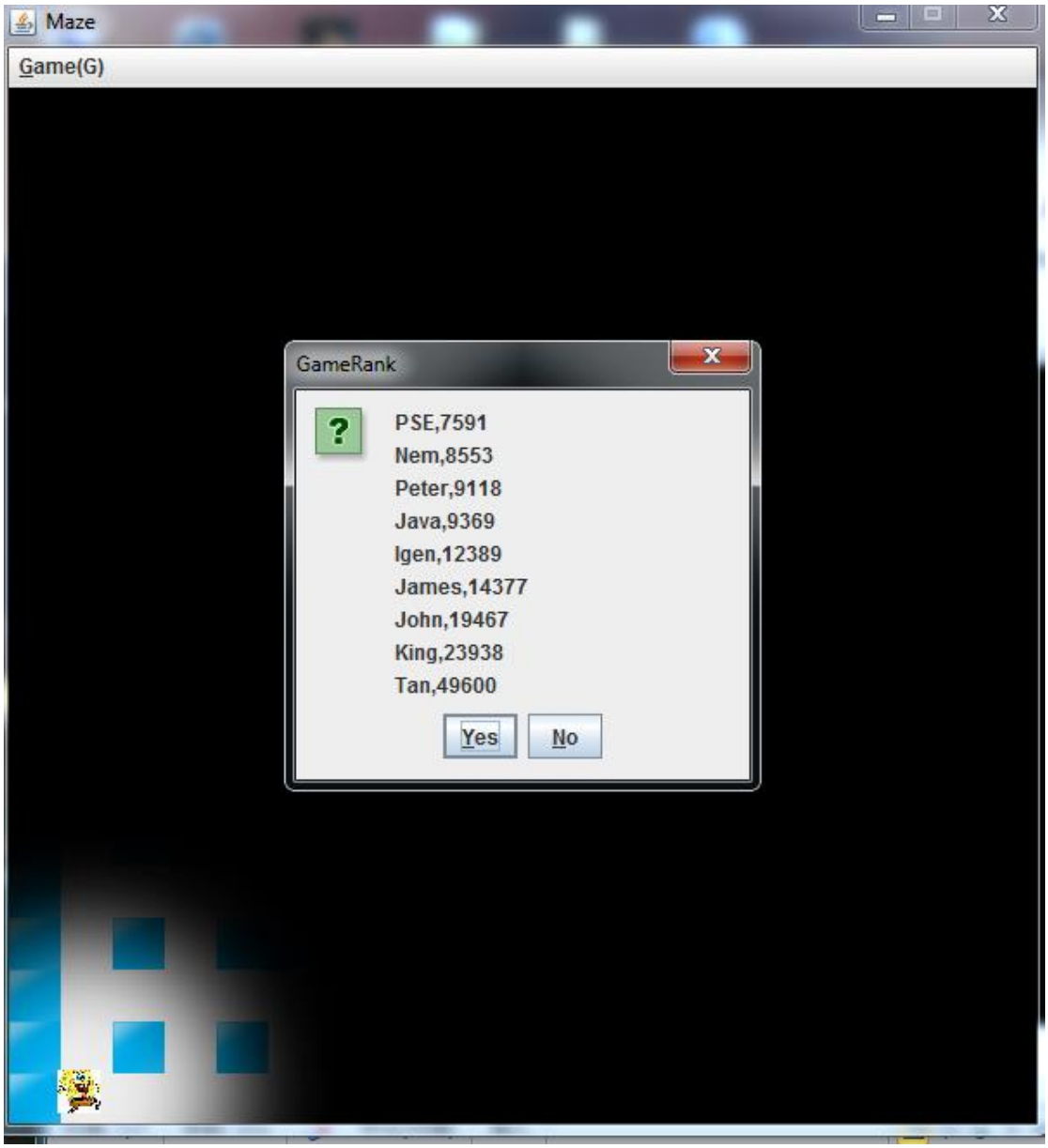

Maze
Game(G)


Maze
Game(G)
Input
Enter your name:
Tan
OK
Cancel


Maze
Game(G)
Message
congratulations! You find your path to succeed
OK


Maze
Game(G)


Maze
Game(G)


Maze
Game(G)
GameRank
PSE,7591
Nem,8553
Peter,9118
Java,9369
Igen,12389
James,14377
John,19467
King,23938
Tan,49600
Yes
No