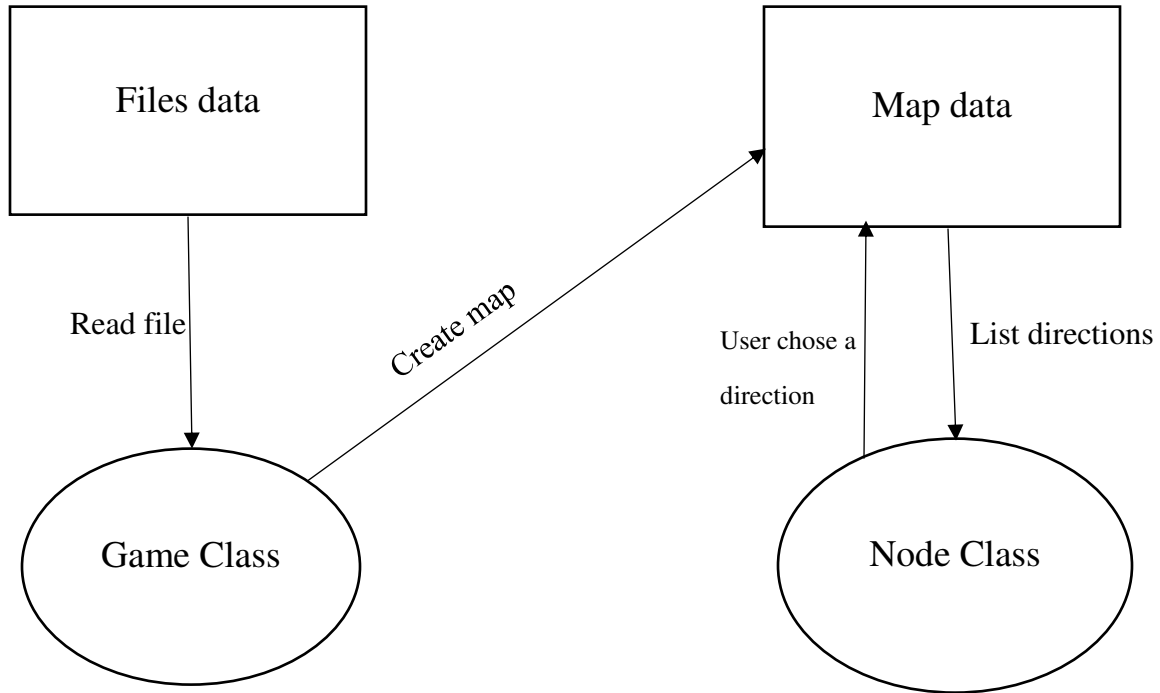


Lab 3 Analysis

Use cases:

1. Open graph file. This allows users to type in to name of the file which including the maze. Then the program will show a welcome banner surrounded by a box at the center of the screen.
2. Ask for players. The program will prompt the users to enter the number of players and the names of each player.
3. Roll a dice. During a player's turn, the program will allow the user to roll a dice that will determine the number of nodes that the user visits during that turn.
4. Select directions. The program allows users to choose a valid direction when user is at a node.
5. Reaching the finish point. If a user selected all valid directions, a congratulation banner will appear and shows the total steps and all the nodes that user visited.

Lab 3 DFD



Test cases:

1. Entering a valid file name. Success if it generates map, fail if it doesn't.
2. Entering a valid direction. Success if user can move, fail if user goes wrong direction or stand still.