FINAL PROJECT

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THE BASIC PROBLEM

Write a maze game which the player runs away from monsters, collects gold and searches for a way out.

PROBLEM - A

When inputting with key arrows, m loop in playGame function, worked twice for each input (worked an extra time)

I tried different functions thinking that the _getch() function might be causing a jump, but it hasn't worked.

Finally, using the 'flag' variable, I checked if the move () function return null and then by moving the flag value to the playGame function, I made it a condition.

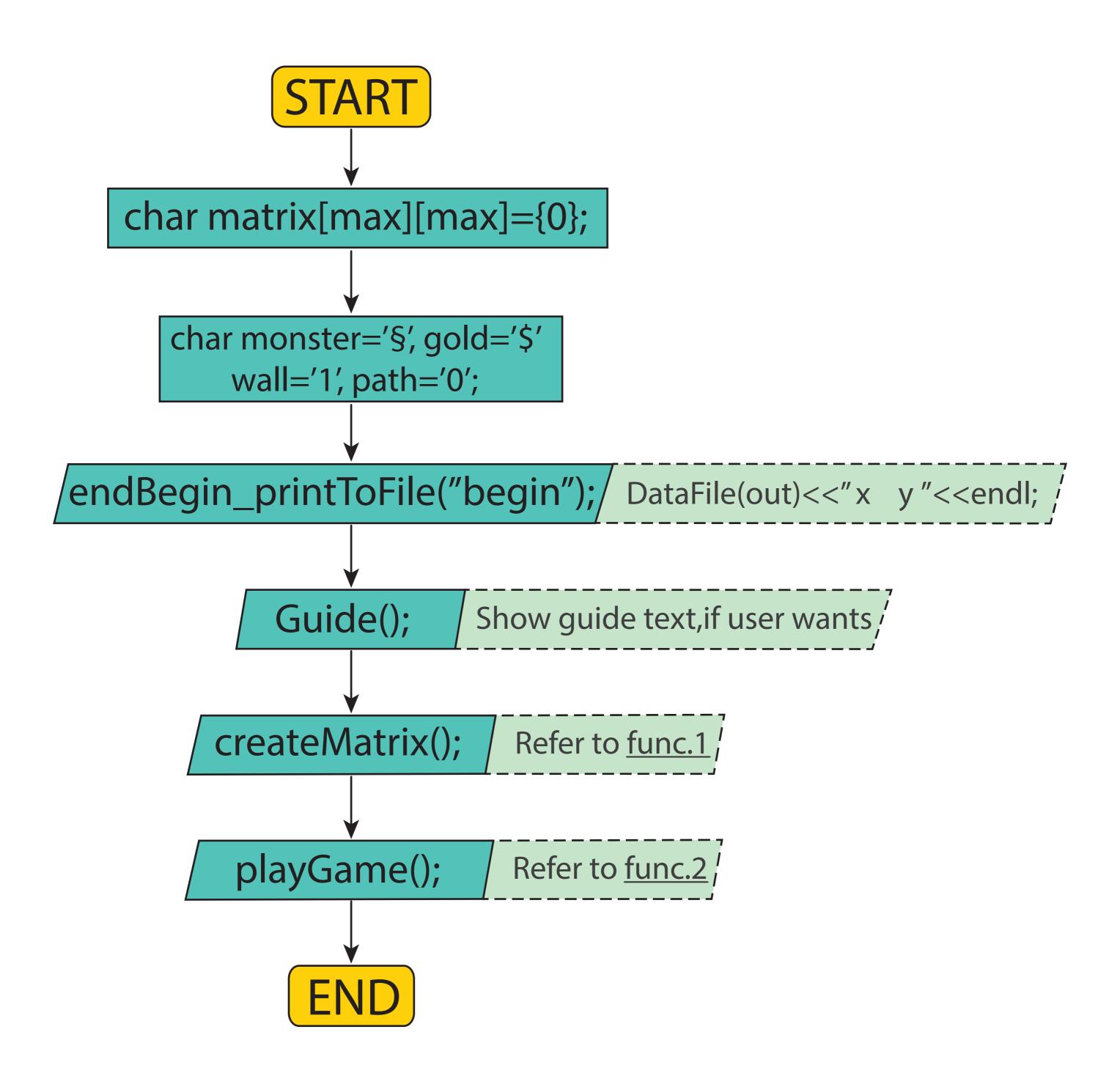
```
Dvoid playGame(char matrix[][max], int row
{
    bool flag = true;
    int countOfGold = 0, i = 0, j = 0, tu

for (int t = 0; t < row*column; t++)
    {
        system("cls");
        if (flag)
            printMatrix(matrix, i, j, row
        flag = true;
        int a = i, b = j;
        move(&i, &j, &flag);
    }
}</pre>
```

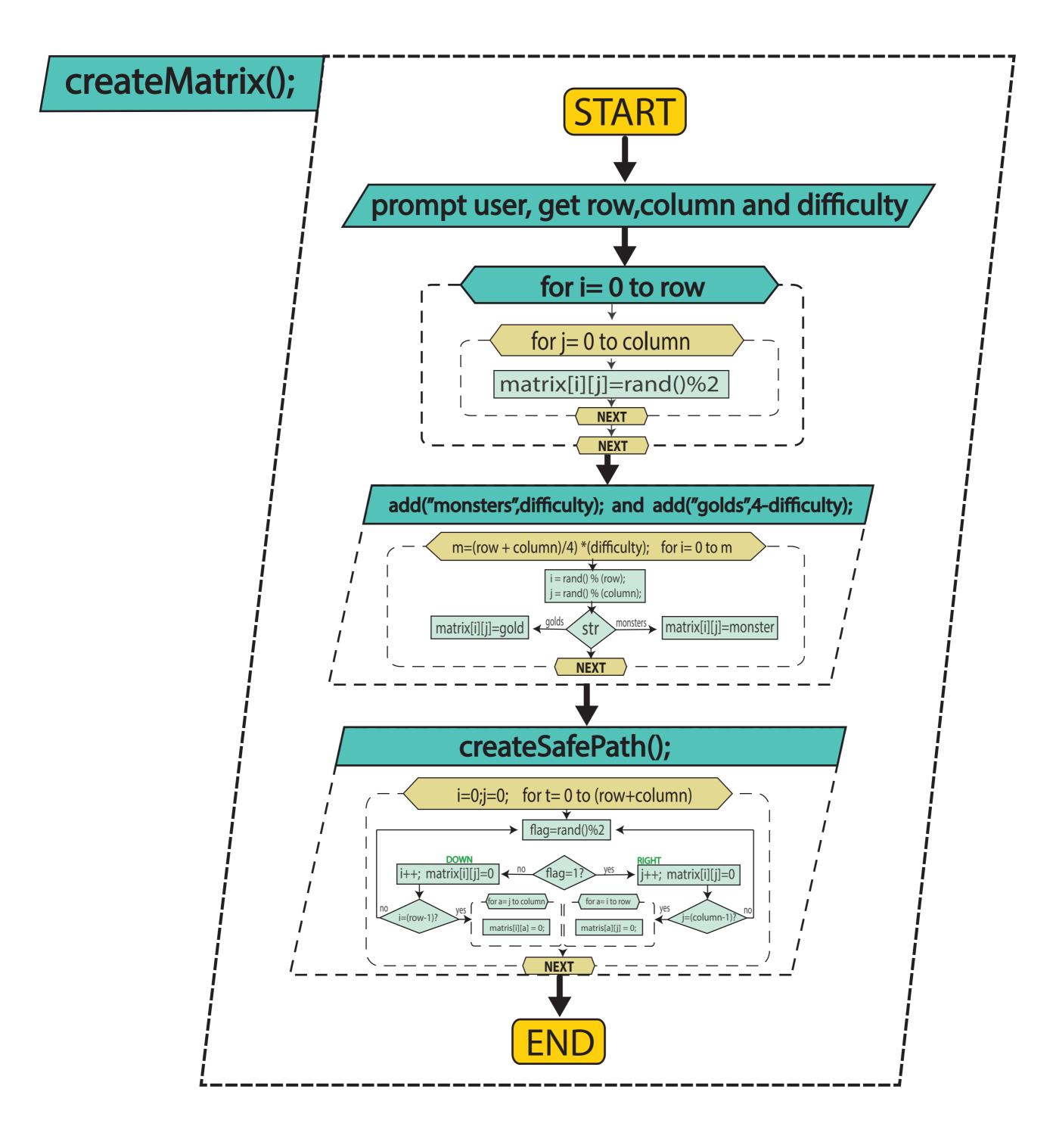
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        if (flag)
            printMatrix(matrix, i, j, row
        flag = true;
        int a = i, b = j;
        move(&i, &j, &flag);
    }
}</pre>
```

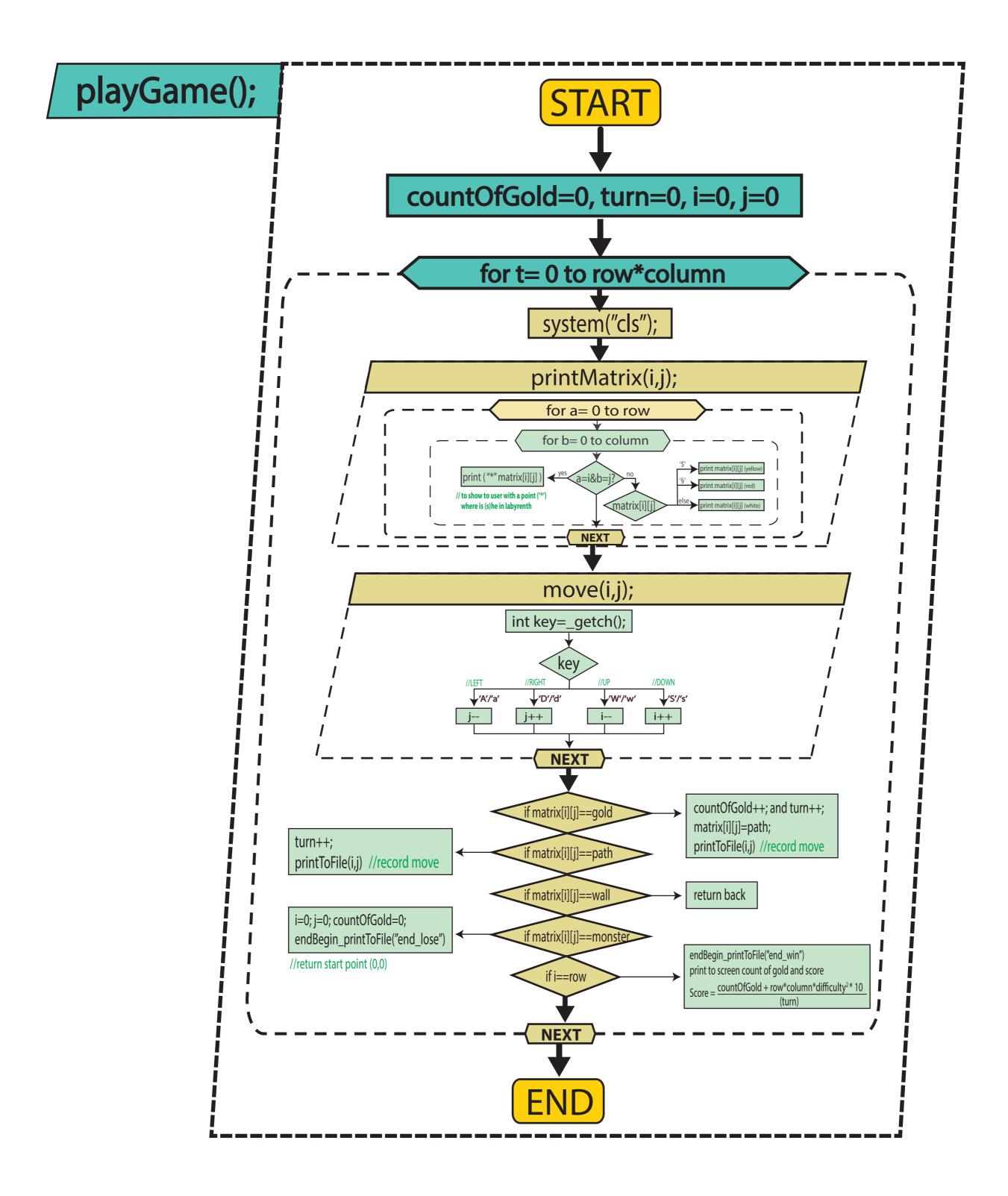
BASIC FLOW CHART



FUNC.1



FUNC.2



SCREENSHOTS

```
C\Users\bilon\Desktop\Programming\Final_Maze\Debug\Final_Maze.exe

Welcome to the Maze Game

Would you like to see guide (Y/N):y

+ You are in a maze with the monsters (§).
+ Please, use the W,A,S,D keys to move and try to find a way to escape (0).
+ Watch out for walls (1) and don't get caught by the monsters..
+ Collect treasures ($) on the way if you can.
+ If you get caught by monsters you won't die but you will lose your golds.
+ Remember, God is watching you and records your every move in a notebook. (output.txt :D)

Now please, enter to number of rows and columns:

10
10
Please, select the difficulty by number ( easy=1 / normal=2 / hard=3 ) :
3
Loading...
■
```

C:\Users\bilon\Desktop\Programming\Final_Maze\Debug\Final_Maze.exe										
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0	§	1	0	0	1	1	0	0	0	
1	0	§	1	0	1	§	0	1	1	
0	0	§	1	0	1	0	0	1	0	
0	1	1	0	0	0	§	0	0	0	

```
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Congratulations, You survived:
Collected Golds = 2
Your Score = 562.625
Press any key to continue . . . _
```