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Test case: main\_menu.py

Test	Test	Test Value	Expected Outcome	Actual Outcome	Result
Scenario	Description				
1	To test				
Toot	inputting a				
Test	1	F.1			
case is	-Letter	Enter your			
<b>D</b>		option: "s"	B'ada ann an an an	Division and the second	D
Passing			Display error message:	Display error message:	Pass
or			<b>"</b>		
Failing?	-Symbol	Enter your	"Invalid syntax. Enter 0-4	Invalid syntax. Enter 0-4	
		option: "!"	Please enter option 1 first to load the	Please enter option 1 first to	
<u>Failing</u>			file."	load the file.	
	-Symbol +	Enter your			
	Letter	option:			
		"s!"			
	-Letter +				
	Number	Enter your			
		option:			
		"1s"			
	-Symbol +				
	Number				
		Enter your			
		option:			
		"@s"			
2					
<b> </b>					
Test	_		Display error message:	Display: "Invalid syntax.	_
case is	To test	Enter your		Enter 0-4	Pass
	Input is not	option: "5"	"Invalid syntax. Enter 0-4	Please enter option 1 first to	
Passing	within		Please enter option 1 first to load the	load the file."	
or	0,1,2,3,4		file."		
Failing?					
<b>Failing</b>					

3 Test case is Passing or Failing?	To test when enter without input any numbers, letters, symbols	Enter your option: " "	Display error message: "Invalid syntax. Enter 0-4 Please enter option 1 first to load the file."	Display error message: "Invalid syntax. Enter 0-4 Please enter option 1 first to load the file."	Pass
4 Test case is Passing or Failing? Passing	To test the function of "Read and load maze from file"	Enter your option: "1 "	Display "Option [1] Read and load maze from file"  Prompt: "Enter the name of the data file:"	Display "Option [1] Read and load maze from file"  Prompt: "Enter the name of the data file:"	Pass
5 Test case is Passing or Failing? Passing	To test able to display option 2 once the main menu is already	Enter your option: "2"	Display "Please enter option 1 first to load the file."  Display "Enter your input:"	Display "Please enter option 1 first to load the file."	Pass
Test case is  Passing or Failing?  Passing	To test able to display option 3 once the main menu is already	Enter your option: "3"	Display "Please enter option 1 first to load the file."  Display "Enter your input:"	Display "Please enter option 1 first to load the file." Display "Enter your input:"	Pass

7					
Test case is	To test able to	Enter your option: "4"	Display "Please enter option 1 first to load the file."	Display "Please enter option 1 first to load the file."	Pass
Passing or Failing?	option 4 once the main menu is already		Display "Enter your input:"	Display "Enter your input:"	
<u>Passing</u>	is an eddy				

7/7 Test cases -> Passed

Failing: 3

Passing: 4

### Acceptance Test Case for main\_menu.py

```
Main Menu
_____
[1] Read and load maze from file
[2] View Maze
[3] Play maze game
[4] Configure current maze
[0] Exit Maze
Enter your input:s
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:!
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:s!
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:1s
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:@s
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:5
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:
Invalid syntax. Enter 0-4
Please enter option 1 first to load the file.
Enter your input:1
Option [1] Read and load maze from file
Enter the name of the data file:
```

# Main Menu ======= [1] Read and load maze from file [2] View Maze [3] Play maze game [4] Configure current maze [0] Exit Maze Enter your input:2 Please enter option 1 first to load the file. Enter your input:3 Please enter option 1 first to load the file. Enter your input:4 Please enter option 1 first to load the file. Enter your input:1

# Test case: read\_and\_load.py

Test	Test	Test Value	Expected Outcome	Actual Outcome	Result
Scenario	Description				
1					
Test case is	To test is it able to	Enter your input:3	Display "Enter your input:3 Please enter option 1 first to	Display "Enter your input:3 Please enter option 1 first to	Pass
	load the		load the file."	load the file."	
Passing	play maze				
or	game				
Failing?	diagram/				
	figure				
Failing Pailing Pail Pail Pail Pail Pail Pail Pail Pail	Without				
	entering				
	the option 1				
	"maze.csv"				
	first				
	11130				
2					
Test	To test	Enter the	Display error message	Display error message	Pass
case is	when	name of	"Error: please key in the	"Error: please key in the	
	enter the	the data	correct name of the data file	correct name of the data file	
Passing	wrong file	file:			
or	name at	"game"	Display "enter anything to	Display "enter anything to	
Failing?	the "Enter		return to Main Menu"	return to Main Menu"	
Calling.	the name				
<u>Failing</u>	of the data file:"				
3	me.				
Test	To test	Enter the	Display "Number of lines	Display	Pass
case is	when	name of	read: 8"	"Number of lines read: 8"	. 355
	enter the	the data			
	correct file			Display	
			•		

Passing	name at	file:	Display "Enter anything to	"Enter anything to return to	
or	the "Enter	"maze.csv"	return to Main Menu"	Main Menu"	
Failing?	the name				
	of the data				
<b>Passing</b>	file:"				

3/3 Test case -> Passed

Failing: 2

Passing: 1

# Acceptance Test Case for read\_and\_load.py

```
Main Menu
[1] Read and load maze from file
[2] View Maze
[3] Play maze game
[4] Configure current maze
[0] Exit Maze
Enter your input:3
Please enter option 1 first to load the file.
Enter your input:1
Option [1] Read and load maze from file
Enter the name of the data file:game.csv
Error: please key in the correct name of the data file
Enter anything to return to Main Menu
Enter your input:1
Option [1] Read and load maze from file
Enter the name of the data file:maze.csv
Number of lines reads: 8
Enter anything to return to Main Menu
```

# Test case: View\_Maze.py

Test	Test	Test Value	Expected Outcome	Actual Outcome	Result
Scenario	Description				
Test case is  Passing or Failing?  Passing	To test whether the maze game application displays option 2 display correctly after I inputted option1	Enter your option: "2"	Display Enter your input:2 ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'Y', 'Y', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	Display Enter your input:2 ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'Y', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	Pass
2 Test case is	To test whether	Enter your option: "3"	Display "	Display "	Pass
Passing	the maze game	οριίση. 3	======= ['X', 'X', 'X', 'X', 'X', 'X', 'X']	======== ['X', 'X', 'X', 'X', 'X', 'X', 'X']	PdSS
or Failing? Passing	application displays option 3 display correctly after I inputted option1		['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	
			Location of Start (A) = (Row 1, Column 6) Location of End (B) = (Row 7, Column 1)	Location of Start (A) = (Row 1, Column 6) Location of End (B) = (Row 7, Column 1)	
			Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:"	Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:"	

	1			<u> </u>	
3					
3					
Test	To test	Enter your	Display:	Display:	Pass
case is	whether	option: "4"			
	the maze		Enter your input:4	Enter your input:4	
Passing	game		=======================================	=======================================	
or	application		======	==========	
Failing?	displays		['X', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']	
	option 4		['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X']	['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X']	
Passing Passin Passing Passing Passing Passing Passing Passing Passing Passing	display		['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	
	correctly		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
	after I		['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X']	
	inputted		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
	option1		['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	
			['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	
			Configuration Menu	Configuration Menu	
			[1] Create Wall	[1] Create Wall	
			[2] Create Passageway	[2] Create Passageway	
			[3] Create start point	[3] Create start point	
			[4] Create end point	[4] Create end point	
			[0] Exit Main Menu	[0] Exit Main Menu	
			Enter your options to configure:	Enter your options to	
				configure:	

3/3-> Passed

Passing: 2

### Acceptance Test Case for view\_maze.py

```
Enter your input:1
Option [1] Read and load maze from file
Enter the name of the data file:maze.csv
Number of lines reads: 8
Enter anything to return to Main Menu
Enter your input:2
['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']
['X', '0', '0', '0', 'X', '0', 'A', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['X', 'o', 'X', 'o', 'X', 'o', 'o', 'X']
['x', 'o', 'x', 'o', 'x', 'x', 'o', 'x']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']
Enter your input:3
['X', '0', '0', '0', 'X', '0', 'A', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['X', '0', 'X', '0', 'X', '0', '0', 'X']
['X', '0', 'X', '0', 'X', 'X', '0', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
['x', 'B', 'x', 'x', 'x', 'x', 'x', 'x']
Location of Start (A) = (Row 1, Column 6)
Location of End (B) = (Row 7, Column 1)
Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:
Enter your input:4
['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']
['X', '0', '0', '0', 'X', '0', 'A', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'x', 'x', 'o', 'x']
['X', '0', 'X', '0', 'X', '0', '0', 'X']
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']
Configuration Menu
[1] Create Wall
[2] Create Passageway
[3] Create start point
[4] Create end point
[0] Exit Main Menu
Enter your options to configure:
```

# Test case: play\_maze.py

Test Scenario	Test Description	Test Value	Expected Outcome	Actual Outcome	Result
1	Description				
Test case is  Passing or Failing?  Passing	To test is the movement of the game maze able to move LEFT.	Press "A"	Display " Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'A', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'Y'] ['X', 'O', 'X', 'O', 'X', 'O', 'Y'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']  Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:"	Display "Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'A', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'Y', 'X'] ['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'Y', 'O', 'O', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']  Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:"	Pass
2 Test case is Passing or Failing? Passing	To test is the movement of the game maze able to move RIGHT.	Press "D"	Display "Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']  Press 'W' for UP, 'A' for LEFT, 'S' for DOWN, 'D' for RIGHT, 'M' for MAIN MENU:"	Display "Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'Y', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X',	Pass
3 Test case is	To test is the movement of the	Press "S"	Display "Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'A', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X']	Display "Move Successful! ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'A', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X']	Pass

Passing	game maze		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
or	able to		['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	
Failing?	move		['X', 'B', 'X', 'X', 'X', 'X', 'X']	['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	
	DOWN.				
<b>Passing</b>			Press 'W' for UP, 'A' for LEFT, 'S' for	Press 'W' for UP, 'A' for LEFT,	
			DOWN, 'D' for RIGHT, 'M' for MAIN	'S' for DOWN, 'D' for RIGHT,	
			MENU:"	'M' for MAIN MENU:"	
			IVILINO.	WI TOT WAIN WENG.	
			Diambay "Mayo Cyggggfyll	Display "Move Successful!	
4	<b></b>		Display "Move Successful!		
4	To test is		['X', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']	_
Test	the	Press "W"	['X', 'O', 'O', 'O', 'X', 'A', 'O', 'X']	['X', 'O', 'O', 'O', 'X', 'A', 'O', 'X']	Pass
case is	movement		['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	
	of the		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
Passing	game maze		['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X']	
or	able to		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
Failing?	move UP.		['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']	['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	
r annig.	lilove or .		['X', 'B', 'X', 'X', 'X', 'X', 'X']	['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	
Daccing			[ [ X , B , X , X , X , X , X , X ]	[ [ X , B , X , X , X , X , X , X ]	
<b>Passing</b>			Proce 'W' for LIP 'A' for LEET 'S' for	Proce 'W' for LIP 'A' for LEET	
			Press 'W' for UP, 'A' for LEFT, 'S' for	Press 'W' for UP, 'A' for LEFT,	
			DOWN, 'D' for RIGHT, 'M' for MAIN	'S' for DOWN, 'D' for RIGHT,	
			MENU:"	'M' for MAIN MENU:"	
5					
		Press "M"	Display "Enter your input:"	Display "Enter your input:"	Pass
Test	To test				
case is	ending the				
	game maze				
Passing	for				
or	directing				
Failing?	to Main				
raining:	Menu.				
Doccina	ivieliu.				
<u>Passing</u>					
	T- 1 - 1 - 1				
_	To test is				
6	the game				
	maze able	Press "1"	Display prompting "Press 'W' for UP, 'A'	Display prompting "Press 'W'	Pass
Test	to play		for LEFT, 'S' for DOWN, 'D' for RIGHT,	for UP, 'A' for LEFT, 'S' for	
case is	maze game	Press "b"	'M' for MAIN MENU:"	DOWN, 'D' for RIGHT, 'M' for	
	by keying			MAIN MENU:"	
	Dy KCyllis				
Passing	on the	Press "#"			
Passing or	on the	Press "#"			
or	on the keyboard -				
_	on the keyboard - numbers,	Press "#" Press "8"			
or Failing?	on the keyboard - numbers, letters,				
or	on the keyboard - numbers, letters, symbol				
or Failing?	on the keyboard - numbers, letters, symbol other than				
or Failing?	on the keyboard - numbers, letters, symbol other than letters				
or Failing?	on the keyboard - numbers, letters, symbol other than				
or Failing?	on the keyboard - numbers, letters, symbol other than letters				

5/5-> Passed

Passing: 4

Failing: 1

# Acceptance Test Case for play\_maze.py

### Test case: configure\_maze.py

Test	Test	Test Value	Expected Outcome	Actual Outcome	Result
Scenario	Description				
1					
Test	To test the	Press "1"	Display:	Display:	Pass
case is	input		=======================================	=======================================	
	option 1,		========	==========	
Passing	Create				
or	Wall as the		['X', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']	
Failing?	option to		['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X']	['X', 'O', 'O', 'O', 'X', 'O', 'A', 'X']	
Description	configure		['X', '0', 'X', '0', 'X', '0', 'X', 'X']	['X', '0', 'X', '0', 'X', '0', 'X', 'X']	
Passing Passin Passing Passing Passing Passing Passing Passing Passing Passing			['X', '0', 'X', '0', 'X', '0', '0', 'X']	['X', '0', 'X', '0', 'X', '0', '0', 'X']	
			['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'o', 'X']	['X', 'O', 'X', 'O', 'X', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']	
			[ (x', '0', 'x', '0', '0', '0', 'x', 'x']	[	
			[ (X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	
				Press Enter if you wish to	
			Press Enter if you wish to change	change an item.	
			an item.	'B' to return to	
			'B' to return to ConfigureMenu.	ConfigureMenu.	
			'M' to return to Main Menu:	'M' to return to Main Menu:	
		Press "enter"	Display "Enter Row:"	Display "Enter Row:"	
		at the 'B' to	Display "Enter Col:"	Display "Enter Col:"	

	return to Configure Menu. 'M' to return to Main Menu:			
	Input Enter Row: "1" Enter Col:"3"	Display  ===================================	Display  ===================================	
2				
Test return to Configur Passing or Failing?  Passing Passing	Configure Menu. 'M' to return to	Display  ===================================	Display  ===================================	Pass

3 Test case is Passing or Failing? Passing	To test return to the main menu by typing "M"	'B' to return to Configure Menu. 'M' to return to Main Menu: M	[4] Create end point [0] Exit Main Menu Enter your options to configure:  Display "Enter your input:"	[4] Create end point [0] Exit Main Menu  Enter your options to configure:  Enter your input:	Pass
4 Test case is Passing or Failing? Passing	To test the input option 2, Create Passenger as the option to configure as the option to configure	Press "enter" at the 'B' to return to Configure Menu. 'M' to return to Main Menu:	Display  ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']  ['X', 'O', 'O', 'X', 'O', 'X', 'O', 'X', 'X	Display  ['X', 'X', 'X', 'X', 'X', 'X', 'X', 'X']  ['X', 'O', 'O', 'X', 'O', 'A', 'X']  ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']  ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']  ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X']  ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']  ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']  Press Enter if you wish to change an item.  'B' to return to  ConfigureMenu.  'M' to return to Main Menu:  Display "Enter Row:"  Display "Enter Col:"	Pass

	Input Enter Row: "4" Enter Col:"4"	Display: ====================================	Display:  ===================================	
		Enter your options to configure:	Enter your options to	
5 To test the input option 3, Create start point as the option to configure as the option to configure	Press "3"	Display ====================================	Display ====================================	Pass

		Press "enter" at the 'B' to return to Configure Menu. 'M' to return to Main Menu:	Display "Enter Row:" Display "Enter Col:"	Display "Enter Row:" Display "Enter Col:"	
		Input Enter Row: "0" Enter Col:"1"	Display: ====================================	Display: ====================================	
			['X', 'A', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	['X', 'A', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']	
			['X', 'B', 'X', 'X', 'X', 'X', 'X']  Configuration Menu ====================================	['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']  Configuration Menu ====================================	
			<ul><li>[1] Create Wall</li><li>[2] Create Passageway</li><li>[3] Create start point</li><li>[4] Create end point</li><li>[0] Exit Main Menu</li></ul>	<ul><li>[1] Create Wall</li><li>[2] Create Passageway</li><li>[3] Create start point</li><li>[4] Create end point</li><li>[0] Exit Main Menu</li></ul>	
			Enter your options to configure:	Enter your options to configure:	
6 Test	To test the input option 4, Create	Press "4"	Display: ====================================	Display:	Pass
case is Passing	start point as the option to		['X', 'A', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	['X', 'A', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']	
or Failing?	configure as the option to		['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X']	['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X']	
Passing Passin Passing Passing Passing Passing Passing Passing Passing Passing	configure		['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X']	['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']	

			Press Enter if you wish to change an item. 'B' to return to ConfigureMenu. 'M' to return to Main Menu:	Press Enter if you wish to change an item. 'B' to return to ConfigureMenu. 'M' to return to Main Menu:	
		Press "enter" at the 'B' to return to Configure Menu. 'M' to return to Main Menu:	Display "Enter Row:" Display "Enter Col:"	Display "Enter Row:" Display "Enter Col:"	
		Input Enter Row: "0"	Display:	Display:	
		Enter Col: "2"	['X', 'A', 'B', 'X', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'X', 'X', 'X', 'X', 'X']	['X', 'A', 'B', 'X', 'X', 'X', 'X', 'X'] ['X', 'O', 'O', 'X', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'X', 'O', 'X'] ['X', 'O', 'X', 'O', 'X', 'O', 'O', 'X'] ['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X'] ['X', 'O', 'X', 'X', 'X', 'X', 'X', 'X']	
			Configuration Menu	Configuration Menu	
			=======================================	=======================================	
			<ul><li>[1] Create Wall</li><li>[2] Create Passageway</li><li>[3] Create start point</li><li>[4] Create end point</li><li>[0] Exit Main Menu</li></ul>	<ul><li>[1] Create Wall</li><li>[2] Create Passageway</li><li>[3] Create start point</li><li>[4] Create end point</li><li>[0] Exit Main Menu</li></ul>	
			Enter your options to configure:	Enter your options to configure:	
7 Test case is	To test the input option 0 for to exit main menu	Enter your options to configure: "1"	Display "Enter your input:"	Display "Enter your input:"	Pass
case is	main menu				

Passing or Failing?					
8 Test case is Passing or Failing? Failing	To test the input letters, numbers, symbols that is not part of the option to configure	Enter your options to configure: "a"  Enter your options to configure: "b"  Enter your options to configure: "6"  Enter your options to configure: "8"  Enter your options to configure: "%"  Enter your options to configure: "%"	Display "Please enter a valid value".	Display "Please enter a valid value".	Pass
9 Test case is Passing	To test input nothing	Enter your options to configure: ""	Display "Please enter a valid value".	Display "Please enter a valid value".	Pass
or Failing?					

9/9-> Passed

Passing: 7

Failing: 2

# Acceptance Test Case for configure\_maze.py

```
Enter your options to configure: 2
['X', '0', 'X', '0', 'X', '0', 'X', 'X']
['X', '0', 'X', '0', 'X', '0', 'o', 'X']
['X', 'o', 'X', 'o', 'X', 'X', 'o', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
['x', 'B', 'x', 'x', 'x', 'x', 'x', 'x']
Press Enter if you wish to change an item.
'B' to return to ConfigureMenu.
'M' to return to Main Menu:
Enter Row: 4
Enter Col:4
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['X', '0', 'X', '0', 'X', '0',
                                'o', 'X']
['x', 'o', 'x', 'o', 'o', 'x', 'o', 'x']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
['x', 'B', 'x', 'x', 'x', 'x', 'x', 'x']
Configuration Menu
[1] Create Wall
[2] Create Passageway
[3] Create start point
[4] Create end point
[0] Exit Main Menu
Enter your options to configure: 3
['X', 'O', 'X',
                'o', 'x', 'o', 'o', 'x']
['x', 'o', 'x', 'o', 'o', 'x', 'o', 'x']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['X', 'O', 'X', 'O', 'O', 'O', 'X', 'X']
['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']
Press Enter if you wish to change an item.
'B' to return to ConfigureMenu.
'M' to return to Main Menu:
Enter Row: 0
Enter Col:1
['X', '0', 'X', '0', 'X', '0', '0', 'X']
['X', '0', 'X', '0', '0', 'X', '0',
                                    'X']
Configuration Menu
[1] Create Wall
[2] Create Passageway
[3] Create start point
[4] Create end point
```

[0] Exit Main Menu

Enter your options to configure: 1

Enter your options to configure: a
Please enter a valid value.
Enter your options to configure: b
Please enter a valid value.
Enter your options to configure: 6
Please enter a valid value.
Enter your options to configure: 8
Please enter a valid value.
Enter your options to configure: %
Please enter a valid value.
Enter your options to configure: #e
Please enter a valid value.
Enter your options to configure: #e
Please enter a valid value.
Enter your options to configure:
Please enter a valid value.
Enter your options to configure:

```
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['X', 'o', 'X', 'o', 'X', 'o', 'o', 'X']
['X', '0', 'X', '0', 'X', 'X', '0', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['X', 'o', 'X', 'o', 'o', 'o', 'x', 'x']
['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']
Press Enter if you wish to change an item.
'B' to return to ConfigureMenu.
'M' to return to Main Menu:B
['x', 'o', 'x', 'o', 'x', 'o', 'x', 'x']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x']
['X', 'o', 'X', 'o', 'X', 'X', 'o', 'X']
['x', 'o', 'x', 'o', 'x', 'o', 'o', 'x', 
['x', 'o', 'x', 'o', 'o', 'o', 'x', 'x']
Configuration Menu
[1] Create Wall
[2] Create Passageway
[3] Create start point
[4] Create end point
[0] Exit Main Menu
Enter your options to configure:
Enter your options to configure: 1
['X', '0', 'X', '0', 'X', '0', '0', 'X']
['X', '0', 'X', '0', 'X', 'X', '0', 'X']
['X', '0', 'X', '0', 'X', '0', 'o', 'X']
['X', '0', 'X', '0', '0', 'o', 'X', 'X']
['X', 'B', 'X', 'X', 'X', 'X', 'X', 'X']
Press Enter if you wish to change an item.
'B' to return to ConfigureMenu.
'M' to return to Main Menu:m
Enter your input:4
['X', 'O', 'X', 'O', 'X', 'O', 'X', 'X']
['X', '0', 'X', '0', 'X', '0', '0', 'X']
['X', '0', 'X', '0', 'X', 'X', '0', 'X']
['x', '0', 'x', '0', 'x', '0', '0', 'x']
['x', '0', 'x', '0', '0', '0', 'x', 'x']
['x', 'B', 'x', 'x', 'x', 'x', 'x', 'x']
Configuration Menu
[1] Create Wall
[2] Create Passageway
[3] Create start point
[4] Create end point
[0] Exit Main Menu
Enter your options to configure: 0 Enter your input:
```

Enter your options to configure: 1

# **Test Analysis**

Please refer to the **QA\_MonitoringResult\_and\_Analysis.xlsx excel** sheet.