Test cases: Display Main Menu

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| Test Case # | Test Case Name | Test Case Description | Values | Expected Outcome | Actual Outcome |
| 1. | Displaying Main Menu | When the program is run, it should display the main menu with 5 options | Run ‘application’ | Main menu should be displayed with 5 options.  From 0-4  Option 0. Exit Maze  Option 1. Read and load maze from file  Option 2. View maze  Option 3. Play maze game  Option 4. Configure current maze | - |
| 2. | Enter an unavailable option | On the main menu page, enter an invalid option | Option ‘5’ | An error message should appear.  Saying option out of range |  |
| 3. | Enter an invalid option using characters | On the main menu page, enter an option with letters | Option ‘abctest’ | An error message should appear.  Saying letters are not allowed |  |
| 4. | Enter an invalid option using special characters | On the main menu page, enter an option with special letters | Option ‘!@#$’ | An error message should appear.  Saying special characters aren’t allowed |  |
| 5. | Don’t enter any option | On the main menu page, don’t enter any options and press ‘enter’ | Option ‘’ | An error message should appear. Prompting you to choose a value |  |
| 6. | Choose option ‘Read and load maze from file’ | On the main menu page, choose the option ‘Read and load maze from file’ and ensure the process runs | Option ‘1’ | The process will run, and it will show ‘Option [1] Read and load maze from file’ |  |
| 7. | Choose option ‘View maze’ | On the main menu page, choose the option ‘View maze’ and ensure the process runs | Option ‘2’ | The process will run, and it will show ‘Option [2] View Maze’ |  |
| 8. | Choose option ‘Play maze game’ | On the main menu page choose the option ‘Play maze game’ and ensure the process runs | Option ‘3’ | The process will run, and it will show ‘Option [3] Play maze game’ |  |
| 9. | Choose option ‘Configure current maze’ | On the main menu page choose the option ‘Configure current maze’ and ensure the process runs | Option ‘4’ | The process will run, and it will show ‘Option [4] Configure current maze’ |  |
| 10. | Choose option ‘Exit to Main Menu’ | On the main menu page choose the option ‘Exit to Main Menu’ and ensure the process runs | Option ‘0’ | Should be exited from maze |  |