91896 - Testing Document

**Unit Testing**

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| Menu Function: | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 17/6/2025 | The menu, in the menu function, and whether it appears correctly | Expected | I ran the function | It is supposed to display all the choices on one page (one easygui.buttonbox). And then allow the user to select what they would like to do | It does not run and nothing appears | I realised that I had to call the menu function first by adding ‘menu ()’ |
| 17/6/2025 | Whether the menu displays all the choices on one page. | Expected | I ran the program | I expect each choice to appear on the menu page all at the same time | Each choice is displayed individually on different pages, forcing the user to click through to access certain choices. | I had to make all the code in the function align in one line and remove the indentation, as the indentation was causing the menu buttonbox to loop and display each choice on its own page |
| 18/6/2025 | I am testing if my logout function correctly exits the program if the user wants to log out. | Expected | Pressing the log out button | The logout function allows the user to exit, and quits the program | Instead when the user confirms that they want to exit, the main menu still appears | I had to at () these brackets at the end of the inbuilt python exit() function. Now it allows the user to correctly exit |
| 18/6/2025 | I am testing if my program will output a task correctly | Expected | Running the program | The program should correctly output the task and its relevant information | The program gives me a syntax error output = [f"--- {tasks[task\_id]["Title"]} ---"]  ^^^^^  SyntaxError: f-string: unmatched '[' | The fix was that I had to replace the double quotation marks around the title for single quotation marks |
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| Add task Function/ Feature | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 23/06/2025 | Whether the add function works, and successfully outputs the task | expected | Entering the task categories into the easy Gui boxes | The program takes the user inputs, and outputs the task at the end | The program breaks and gives a error | The fix was remove the categories list from the add function brakcets, as this caused an error with positintional arguements |
| 24/06/2025 | I am testing the validation of integers when adding priority to a task | invalid | String values | The program is expected to pop up with a message that tells the user to enter a integer input between 1-5 | The program allows the input of strings which it shouldn’t |  |
| 24/06/2025 | I am testing the validation of a expected value in the priority pop up | expected | Integer value | The program is expected to accept a integer input between 1 to 5, and then display it in the task output | The program accepts the integer and displays it in the task output | Nothing was fixed |
| 26/06/2025 | I am testing the integer validation function | invalid | String value | The program should tell the user to enter a integer value | The program doesn’t run int validation |  |

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| Search function/ Feature | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 26/06/2025 | I am testing if the search function shows the task titles | expected | Running the search | The program should show the task titles | It shows Choice 1 and choice 2 instead of showing the task titles | The problem was that the program didn’t pass any choices to the buttons, so the program defaulted to placeholders choice 1 and choice 2 |

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| Output all tasks/ Feature | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 23/06/2025 | I am testing if my program will output all tasks if proper form | Expected | Running the program | The program outputs all the tasks in a easy Gui msgbox, with each task being separated by a gap | I get a “key” error, and the function does not do anything | The problem was that I name one of the variables I was appending to as tasks not task. This meant that is was appending to nothing and giving the error |
| 24/06/2025 | I am testing if my program will output all tasks in proper format | Expected | Running the program | The program is expected to output all the tasks in proper format | YThe program outputs each task 4 times with odd titles misplaced | The problem was that I name one of the variables I was appending to as tasks not task. This meant that is was appending to nothing and giving the error |
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*Continue the same format for all functions and features*

**System Testing**

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| Whole Program | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
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