91896 - Testing Document

**Unit Testing**

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| NAME Function/ Feature List feature  Search | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 24/06/2025 | Search task function | Expected | The search function | I expect to see the task I searched for when I entered it’s ID or name. | It showed file not found file not found file not found then showed the right task. Pressing cancel also bricks the program. | I fixed this by moving the If statement outside the for loop. I also added a check for None, to check if the user pressed cancel. |
| 14/07/2025 | Search task function | Invalid | Entering a blank string | Return an error message that says you can’t enter blank string, then return to menu. | It returns with “task not found”, then boots the user back to main menu with no warning about avoid empty string. | I fixed this by accounting for None and len() == 0. This avoids blank space being entered to break the program. |
| 14/07/2025 | Search task and members | Expected | Entering both the member’s ID and full name after choose the search for member button. | After being searched, shows the users full name and email address. | It mostly does it’s job right expect when starting the program the system returns with some warning about c:\Users\BotSolo\Documents\GitHub\91896-Kimi\main.py:104: SyntaxWarning: invalid escape sequence '\E'  f"Name: {users[userID]['name']}\Email:" \  c:\Users\BotSolo\Documents\GitHub\91896-Kimi\main.py:111: SyntaxWarning: invalid escape sequence '\E'  f"Name: {users[userID]['name']}\Email:" \ and the display of the name is glitched and does not separate lines. | To fix this, I simply added fixed a type of \n not being there. It was originally a \Email. |
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| NAME Function/ Feature  List | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 12/7/2025 | Testing whether the list task function worked as expected, now as a msg box | Expected | I pressed the list task button | It displays all the tasks on a single msg box | It displays them on multiple msg box. | Added task detail outside the for loop at the beginning and made it += instead of just = |
| 14/7/2025 | List task function | Expected | The list function | I expect to see all the stock tasks and its details when selected. | It works exactly as expected, I can also press cancel to get back to the main menu. | N/A |
| 14/7/2025 | List task after adding/updating a task. | Expected | The list/add/update function | I expected to successfully change/add the tasks and then list said task after it’s changed. | Works as expected. | N/A |
| 16/07/2025 | I am testing whether calling the list task function, the menu with all the tasks displays and works as expected. To do this, ill first add a new task, modify an existing task, then displaying all the tasks. | Expected | N/A | I expect a menu containing all the task whether it’s stock or added by the add task function. | Everything displays as expected, whether the new task or the modified task. The rest of the tasks remains normal. | N/A |
| 17/7/2025 | Testing if list task displays as expected | Expected | I pressed the list task button. | It displays as a message box of all the tasks details. | It displays as a choice box instead of a whole message box with all of the tasks details. | It was fixed by deleting the choice box option and simply displaying all the tasks in one msgbox as required. |
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| NAME Function/ Feature  New Task | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 22/07/2025 | I am testing whether creating new tasks works as expected | Expected | I entered, title, desc, 1, Not Started, JSM | Expected new tasks to be created. | It outputs Status can only be Not Started, In Progress… | Fixed by changing a if statement from if “” or “” or to checking a list instead, if status not in [“”,””,””] |
| 23/07/2025 | Tested whether blank space affected results of validation | Invalid | Title  Desc  1  Not started  Jsm | Expected to break as no validation yet. | It breaks, similar to the one in update task. | Added .strip aswell. |
|  |  | Boundary - valid |  |  |  |  |
|  |  | Boundary - invalid |  |  |  |  |

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| NAME Function/ Feature  Menu | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 14/07/2025 | Main menu function | Expected | Seeing if all the buttons work, expect the ones not assigned a function yet. | For all button to function and redirect user to different functions of the app. | Most of the button’s work but due to recent changes made to the Search function, the title nothing match it’s function. | Simply change It from search task to just search. Also updated what function it redirected the user to, It used to direct user to searchTask() but now just search(). |
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| NAME Function/ Feature  Update task | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 23/07/2025 | Testing whether all the value validation works. | Expected | Title  Desc  1  Ja  ck | Expected the value validation to catch the invalid strings for status and assignee | It just created a new task with invalid values. | Updated its validation statements |
| 23/07/2025 | Testing whether space affect the validation | Invalid | Title  Desc  1  Not started [space]  Jsm [space] | Expected stuff to break as I did not add a validation or found a way to remove said space yet. | It broke the code. | Added .strip() to most of them, first to remove the unnecessary spaces and makes lists nicer. |
|  |  | Boundary - valid |  |  |  |  |
|  |  | Boundary - invalid |  |  |  |  |

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| NAME Function/ Feature  Report | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
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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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