91896 - Testing Document

**Unit Testing**

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| format\_dict\_single() and format\_dict\_all() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 19/6/25 | Format Dictionary Function | Expected | task\_dictionary | Task Id’s to be printed with all their details formatted in a readable and presentable layout | Task Dictionary printed as expected | No Changes needed |
| 28/7/25 | Error occurred with testing saving | Retesting code for documentation |  |  |  | Retesting code for documentation |
| 28/7/25 | Format Dictionary | Expected | Task\_dictionary | Task Dictionary Outputted into window with appropriate formatting | Task Dictionary Outputted into window with proper formattingA screenshot of a computer  AI-generated content may be incorrect. | No Changes |
| 28/7/25 | Format Dictionary | Expected | Task\_dictionary, T1 | Task T1 formatted appropriately and outputted into a window | Task T1 formatted appropriately and outputted into a window A screenshot of a computer  AI-generated content may be incorrect. |  |
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| search\_dict() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 19/6/25 | Search Dictionary Function | Expected | Task\_dictionary, “T1” | The function returns the details of task “T1” | The function returns the details, but no formatting has been applied | A function should be made for single dictionary formatting where a nested system is not needed |
| 23/6/25 | Search Dictionary Function | Expected | Team\_members\_dictionary, “JSM” | The function should return a formatted string containing John Smith’s info | Nothing was returned | Formatting function was missing a return variable, issue patched by returning the formatted message. This now works as expected |
| 22/7/25 | Search Function Changed |  |  |  |  | Search Function changed from enter box to choice box to minimise error from user input and reduce disruption |
| 22/7/25 | Search Dictionary Function | Expected | Task\_dictionary, “T3” | The function should return a formatted version of the T3 Task | T3 task and details were returned as intended | No changes needed |
| 22/7/25 | Search Dictionary Function | Expected | Team\_members\_dictionary, “JSM” | The function should return the formatted details of John Smith | John Smiths details were returned with the assigned task list formatted as well. | No changes needed |

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| Int\_validation() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing rewritten due to testing documentation saving issues |  |  |  |  | Retested function |
| 28/7/25 | Int Validation | Boundary | 1 | True output from function, resulting in successful task update / addition (and temporary confirmation) | True, function returned a successful update.  A screenshot of a white background  AI-generated content may be incorrect.A screenshot of a computer  AI-generated content may be incorrect. | No Changes Needed |
| 28/7/25 | Int Validation | Boundary | 2 | True output from function, resulting in successful task update / addition (and temporary confirmation) | A screenshot of a computer screen  AI-generated content may be incorrect.A screenshot of a computer  AI-generated content may be incorrect.A screenshot of a computer  AI-generated content may be incorrect. | No Changes Needed |
| 28/7/25 | Int Validation | Boundary | 3 | True output from function, resulting in successful task update / addition (and temporary confirmation) | A screenshot of a white background  AI-generated content may be incorrect.A screenshot of a computer  AI-generated content may be incorrect. | No Changes Needed |
| 28/7/25 | Int Validation | Boundary | 4 | Error Window addressing the input being outside of the bounds of 1 to 3 | A screenshot of a computer error  AI-generated content may be incorrect.A screenshot of a computer  AI-generated content may be incorrect. | No Changes Needed |
| 28/7/25 | Int Validation | Boundary | 0 | Error Window addressing the input being outside of the bounds of 1 to 3 | A screenshot of a computer error  AI-generated content may be incorrect. | No Changes Needed |
| 28/7/25 | Int Validation | Invalid | “One” – (Any Non-int) | Error Window addressing the input not being an integer | A screenshot of a computer error  AI-generated content may be incorrect. | No Changes Needed |

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| Task\_validation() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing rewritten due to testing documentation saving issues |  |  |  |  | Retested function |
| 29/7/25 | Title Field String Input | Expected | Title changed on task T1 to “Title” | Title Changed with no errors | Title Changed to “Title”A white background with black text  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Title Field String Input | N/A | N/A | N/A | No Additional testing due to the nature of a string title being open ended | N/A |
| 29/7/25 | Description Field String Input | Expected | Description Changed on task T3 to “Testing” | Description changed with no errors | Description changed to “Testing”A white screen with black text  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Description Field String Input | N/A | N/A | N/A | No Additional testing due to the nature of a string description being open ended | N/A |
| 29/7/25 | Assignee Field String Id Input | Expected | Assignee Field changed to “None” from “JSM” in T1 | Assignee changed with no errors | Assignee field changed successfullyA screenshot of a white background  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Assignee Field String Id Input | Expected | Assignee Field changed to “BDI” from “None” in T3 | Assignee changed with no errors | Missed index error prevention when adding recent task management in members assigned tasks | Added if loop to check if current detail wasn’t “none” before indexing team\_members\_dictionaryA screen shot of a computer code  AI-generated content may be incorrect. |
| 29/7/25 | Assignee Field String Id Input | Expected | Assignee Field changed to “BDI” from “None” in T3 | Assignee changed with no errors | Assignee successfully changed from “None” to “BDI” in T3A white background with black text  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Assignee Field String Id Input | Invalid | Assignee Field changed from “JLO” to “stick” in T4 | Assignee field error raised and not accepted for successful creation / modification | Assignee field not accepted as id is invalidA close-up of a text  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Assignee Field String Id Input | No further testing required as invalid case works for all inputs not matching the given ID’s | N/A | N/A | N/A | N/A |
| 29/7/25 | Priority Field Int Input | Boundary | Priority changed from 1 to 3 in T5 | Priority changed successfully without errors | Priority changed successfully | No Changes Needed |
| 29/7/25 | Priority Field Int Input | Boundary | Priority changed from 3 to 4 in T5 | Error raised addressing the value as being out of the bounds 1 to 3 | Priority input raised error and not accepted as a valid changeBlack text on a white background  AI-generated content may be incorrect. | No Changes needed |
| 29/7/25 | Priority Field Int Input | Invalid | Priority changed from 3 to seven | Error raised addressing the value as not being an integer | Priority input raised error and not accepted as a valid change A black text on a white background  AI-generated content may be incorrect. | No Changes needed |
| 29/7/25 | Status Field String Input | Expected | Status changed from In Progress to Blocked in T4 | Status change successful and updated | Status changed successfully and updated accordingly | No Changes Needed |
| 29/7/25 | Status Field String Input | Invalid | Status changed from Not Started to Do Not Disturb in T3 | Status input raised error regarding the value not being in the list of accepted values | Status error message shown with list of accepted optionsA white background with black text  AI-generated content may be incorrect. | No Changes Needed |

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| Add\_task() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing rewritten due to testing documentation saving issues |  |  |  |  | Retested function |
| 29/7/25 | Task being created with a valid case | Expected | “Test”, “Test task”, “None”, “1”, “Not Started” | Task Created with the fields: “Test”, “Test task”, “None”, “1”, “Not Started” | Task Created SuccessfullyA screenshot of a test  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Task being held without submitting due to an invalid field | Invalid | “Test”, “Test task”,  “JSN”,  “1”,  “Not Started” | Task values returned to user to fix mistakes | A close-up of a computer screen  AI-generated content may be incorrect.A screenshot of a task box  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | No Further testing required, as task\_validation handles rejecting invalid inputs and add\_task returning values until all are fulfilled |  |  |  |  | No Changes Needed |

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| Edit\_task() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing redone due to testing documentation saving issues |  |  |  |  | Retested function |
| 29/7/25 | Edit Task Field changing | Expected | Changing Priority from 2 to 3 in T4 | Successful change | Change Added SuccessfullyA close-up of a white background  AI-generated content may be incorrect. | No Changes Needed |
| 29/7/25 | Edit Task Field Changing | Invalid | Changing Priority from 3 to 4 in T4 | Error addressing the input 4 being invalid(out of bounds) | Error Received and change not acceptedA close up of black text  AI-generated content may be incorrect.A close-up of a white background  AI-generated content may be incorrect. |  |

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| Generate\_report() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing redone due to testing documentation saving issues |  |  |  |  | Retested function |
| 29/7/25 | Generate report function executing | Expected | Generate a report | Report outputted and formatted to a window | Report outputted and formatted to a window | No Changes Needed |
| 29/7/25 | No Further testing required as report function is single use and doesn’t request inputs |  |  |  |  | No Changes Needed |

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| Main() | | | | | | |
| Date | What is being tested | Test Type | Test Value | Expected Result | Actual Result | How it was fixed |
| 28/7/25 | Testing redone due to testing documentation saving issues |  |  |  |  | Retested function |
| 29/7/25 | Main Menu Function | Expected | Open Generate Report | Generate Report function is executed | Generate Report function is executed | No Changes Needed |

*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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