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91896 - Testing Document

Unit Testing

Main Menu

Date	What is being tested	Test Type	Test Value	Expected Result	Actual Result	How it was fixed
18/06	The easygui choice box	Expected	Closing the choice box using either the x or the "cancel" button	The box closes	The box closes, but because of a loop reopens	Have it break the loop when we close the menu
""	""	""	""	""	Works now	n/a

Search Function

Date	What is being tested	Test Type	Test Value	Expected Result	Actual Result	How it was fixed
18/06	Searching for a user with a j in their name	expected	"j"	Jane Love and John Smith in a list	Program crashes due to iterating through a string instead of the original dictionary	Calling the dictionaries through a separate variable
""	""	""	""	""	Unbound error	Use local variables within

						the function instead of global variable which breaks it
""	""	""	""	""	Jane Love and John Smith in a list	n/a
23/06	Detailed view of full dictionary thing	Expected	"next"	Gives output and scrolls to the next page	Crashes due to list indice being a string	Use a for loop and use the for loop variable as opposed to a list(loop vairable)
24/06	""	""	""	""	Works as expected	n/a
24/06	Exiting detailed view halfway	Expected	exit	Stops the detailed view and goes to the main menu	Displays the same detailed view page twice then exits to main menu	Run the function in the if statement only, don't run it again
25/06	""	""	""	""	Exits immediately	n/a
26/06	Page index title in detailed view	expected	none	I should see x of y in the title, where x is the current page and y is the total number of pages	Y works as intended, but x is a local variable and would therefore stay at one	Pass a new variable as a parameter through fancy output function
26/06	""	""	""	""	""	Need to also pass the variable through search function, as doing var += 1 makes it local for some reason
26/06	""	""	""	""	Works now	n/a

26/06	All the titles within the search function	expected	none	I should see the title of all the easy gui messages	All the pages had the right titles	n/a
26/06	A bunch of spaces before and after a query	invalid	" jane "	"jane love"	"jane love"	n/a
26/06	Exiting at any point during the search	invalid	Exit/cancel	Exit to main menu	Worked for all interfaces apart from the enter query	Add validation so that a blank string will count as an exit to menu
26/06	""	""	""	""	No results found page	Add validation for None
26/06	""	""	""	""	""	Stop making the query force the input into a string
26/06	""	""	""	""	Works as intended	n/a
31/07	Searching for the name exactly	boundary	"Jane Love"	"Jane Love"	"Jane Love"	n/a

Fancy output

Date	What is being tested	Test Type	Test Value	Expected Result	Actual Result	How it was fixed
24/06	Button box options	expected	"exit"	It would close the outputs midway	It would continue to display, the eixt button works as a next button	Have the function return nothing in the elif statement
""	""	""	""	""	""	Have the function return the user choice and stop the next pages

						from displaying in the other functions that use fancy output
17/07	Closing the window	expected	"X"	It would close and bring the user to the main menu without any errors	Same thing	n/a

Variable Reset						
17/07	Calling the function	expected	n/a	It should reset all my variables and list to their expected value before any other function executes	Didn't reset the search list	Instead of just calling the function, make it so that variable x = function(x)
17/07	""	""	""	""	Reset variables correctly	n/a

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Add task/input validation						
17/07	Adding a new task	expected	anything	A new task should be added to the dict with an auto assigned id	Works as expected	n/a
30/7	Assigning an assignee for the new task	expected	John smith	The task should appear on johns profile under assigned tasks	Did not update the members dict.	Update the assigned tasks list under the chosen members
30/7	""	""	""	""	The new task now shows under john smith	n/a
30/7	Assigning a priority	boundary	1, 3	These numbers should be accepted under the input validation	These numbers successfully get added to the new task	N/a
31/7	Assigning priority	expected	2	Should be accepted as it is within the valid range of 1-3	accepted	n/a
31/7	Adding a new task (any field)	invalid	None (via X button)	Should return to the main menu	Returned to main menu	n/a
31/7	Assigning priority	invalid	4	Should give an error popup saying that the priority should be within 1-3, then return to	gave an error popup saying that the priority should be within 1-3, then return to the	n/a

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				the assign priority step	assign priority step	
31/7	""	invalid	string	Error popup saying that the priority must be an interger, then return to priority step	Error popup saying that the priority must be an interger, then return to priority step	n/a
1/8	Adding new title and description	invalid	Empty input box	Error popup saying that the title/desc cannot be empty	Error popup appeared	n/a
1/8	Adding new title and desc	invalid	Spaces and nothing else	We should see the same error message	yes	n/a

UPDATE TASK/ also input validation						
30/7	Updating a task with expected values	expected	anything	The task should update	The task updated	n/a
30/7	Updating the T1 assignee	expected	Jane love	The task should get removed from johns list and added to janes	nothing	First iterate through the assigned tasks list and delete any mention of it, and then after that append the task Id

						to the correct persons task list.
30/7	""	""	""	""	The task should get removed from johns list and added to janes	n/a
30/7	Updating a tasks assignee to the same person	invalid	T5 assignee: Bob Dillon > Bob Dillon	Nothing should happen	The task appeared twice	First iterate through the assigned tasks list and delete any mention of it, and then after that append the task Id to the correct persons task list. (these 2 problems were fixed at the same time)
30/7	""	""	""	""	Only one instance of t5 appears	n/a
31/7	Updating the priority above and below the min and max	invalid	Change the priority to 0 and 4	We should get an error popup and return to the same step	We should get an error popup and return to the same step	n/a
31/7	Updating the priority within expected values	expected	Priority to 2	Should update the task successfully	yes	n/a
31/7	Updating the priority to boundary values	boundary	Priority to 1 and 3	Should update task successfully	Yes	n/a
31/7	Update priority to a string	invalid	"Ewiofbjnwqloieo"	Should get the error popup and	yes	n/a

				return to previous step		
1/8	Exiting in the middle of updating	invalid	None via x	Should return to the main menu	yes	n/a
1/8	Marking the task as complete	expected	Clicking the complete thing	Task should get removed from the task assigned list of the member	Task stayed on the list	Make it so that it gets removed via .remove()
1/8	""	""	""	""	worked	n/a
1/8	Updating the title	invalid	Blank string	Should get error message saying that we must input something	worked	n/a
1/8	Updating title/desc	invalid	spaces	Same error message should pop up	Error message popped upped	n/a
1/8	Leading and trailing spaces stripper part of input validation	invalid	Spaces before and after the input	we should have the spaces removed from the final input, and there should be no errors on the frontend	worked	n/a

Report						
1/8	Overall task statuses	expected	The report button	We should be greeted with a page that displays all the tasks and the statuses, and the option to view all the tasks by	Everything worked correctly	n/a

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				their statuses and in more detail		
1/8	Displaying the list of all the blocked tasks	expected	The blocked tasks button	We should get a display of all the blocked tasks and their information	We should get a display of all the blocked tasks and their information	n/a
1/8	Closing the tab via the x button in the middle of an output	invalid	None via the x button	We should get returned to the main menu with no errors	Got returned to main menu with no errors	n/a
1/8						

Full output of tasks						
1/8	The tasks getting outputted	Expected	n/a	We should see each task get outputted	Each task got outputted	n/a
1/8	Cancelling in the middle of scrolling through the pages	invalid	None via X	We should get redirected into the main menu	Went to main menu	n/a
1/8	Exiting via exit button	expected	exit	Should get redirected to main menu	Went to main menu	N/a

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
1/8	Changing a task and then checking it on the report	expected	Changing task 1 to completed	We should see it marked on the report on completed, and we should be able to access its information via the completed button	Marked as completed, report worked correctly	n/a
1/8	Adding a task and then updating it	expected	The correct ones idk	The new task should get added, and the edit should work correctly, we should be able to see the updated task in the correct places	yes	n/a
1/8	Adding a task and then viewing it on the full output	expected	Running the program	We should see the new task appear on the full output page	Saw new task on the output page	n/a
1/8	Variable reset, running the program multiple times to see If the variable reset works as intended	expected	Running the program multiple times	We should have all the necessary variables get reset before any function gets called	All the right variables got reset	N/a

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| 1/8 | Random testing to see if theres any last thing that I missed | Expected/invalid/boundary | Everything and anything all at once | We should see the right things appear at the right times and the wrong things to not appear | Yes yes | n/a |