|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **What am I testing?** | **Test Type** | **Expected Result** | **Actual Result** | **How was it fixed?** |
| 19/03/2024 |  | **Valid** | I expect that all easygui methods are work in these functions, and the button box will be able to give the user multiple choices to click on. | The actual result is same as what I expected. All functions work well with no errors. | None |
| 20/03/2024 |  | **Invalid** | I expect this part of the code can work well, and successfully runs over the add new task function. | TypeError: can only concatenate str (not "int") to str | Putting a str function before the len function, making the +1 from an int to str. |
| 22/03/2024 |  | Valid | I expect that the function will ask the user to make another task or not. If not, the programme break | The actual result is same as what I expected. All functions work well with no errors. | None |
| 24/03/2024 |  | Boundary | I expect that, when the user putting the string letters and integers that is lower that 1, and bigger than 3. The function will tell the user to only enter the number from 1-3 and runs again.  Using letters and number 1 first to make the test. | The function includes the basic boundary prevention towards string letter, but not integers that is between 1-3. | Adding lowerbound and upperbound methods in the function, that when a number is lower that 1 and greater than 3, the function will recognize the error. |
| 24/03/2024 |  | Boundary | Same expected result but using number 3 this time to make the test. | Same result | Same fixing method. However, changing the numbers into declare variables. |
| 25/03/2024 |  | Invalid | When the user enters the wrong task, the programme should tell the user you are wrong, and let them enter another task. | The programme will return the user back to the main menu page, not letting them have another chance. | Delete the return method and add a break method below the update\_status function. In this situation, the program will be able to stop the loop. |
| **Date** | **What am I testing?** | **Test Type** | **Expected Result** | **Actual Result** | **How was it fixed?** |
| 26/03/2024 |  | Valid | The programme should run. | TypeError: buttonbox () got an unexpected keyword argument 'assignee\_choices' | Change assignee\_choices into choices. |
|  |  |  |  |  |  |
| 28/03/2024 |  | Invalid | The programme should output all task collection. | When the user clicks on the “Output Task Collection” button, the programme breaks with error of:  UnboundLocalError: cannot access local variable 'task\_info' where it is not associated with a value. | Changing in task\_info into in task\_title.items(). This allows the function to work well. |
| 27/03/2024 |  | Invalid | When the user clicks the “update task” button, the function will make the user to update all information for one specific task. After the function is finished, the user will click on the “output task collection” button, which will show all task information, include the updated one. | After the user finish all constructions of the update task function, the programme will break when the user wants to print out the task list. With the error of “AttributeError: 'str' object has no attribute 'items'”. | As the update function is lack of string attributes for each update commands. I will need to add a specific attribute item in each of the update commands.  E.g. Task\_Dictionary[update\_task]["Title"] = update\_title |
| 28/03/2024 |  | Invalid | When the user wants to update the status, if the choice is completed, and the member is working on the task. The programme will need to remove the task from the member and change the information of the task. | The programme able to change the information of status. But not able to remove the task from the member, if the task is completed, and the assignee. | Rewrite the update functions. |
| 31/03/2024 |  | Invalid | When the user wants to search for a task or member. The programme will give the user two choices, Task and Member to search on. In this situation, the user will be able to successfully search on either a task or a member. | The function does not display out the result, that the user wants to search for. | Forgetting to display the output value through easygui msgbox.  文本  描述已自动生成 |
| **Date** | **What am I testing?** | **Test Type** | **Expected Result** | **Actual Result** | **How was it fixed?** |
| 01/04/2024 |  | Valid | Change the enter box into button box, so it is more flexible and efficient for user to use the programme. | User will enter the assignee ID for an update. |  |
| 02/04/2024 | 文本  描述已自动生成 | Invalid | The function will allow the user to see the status for all tasks. | SyntaxError: unterminated f-string literal (detected at line 283) |  |
| 03/04/2024 | The full def functions in the programme. | Invalid | When the user clicks the cancel button from any def functions. The function should be stopped, and back to the main menu. | The programme keeps running. Which makes the programme cannot be stopped, if the user doesn’t finish the full function process. | Adding the error prevention code below each of the enter box function:  if “Specific Value Name” == None:  break  This allows the user will be able to cancel the def function that they are doing currently. |
| 04/04/2024 | All programmes. | Valid | The programme should work well without any error，and fit with the standard requirement. | The actual result is same as what I expected. All functions work well with no errors. | None |
| 05/04/2024 | On the School PC:    On My Device: | Invalid | The part of the code shown in “What am I Testing” should work in any devices, and the programme should work well. | On the PC: SyntaxError: f-string expression part cannot include a backlash.  On My Device:  Works Well. | To reach the requirement of 79 Columns per line in the programme: |
| 07/04/2024 | Error prevention methods (when user click cancel or exit button.) | Valid | When user click cancel of exit button in specific function. The function should return to the main menu. | When user click cancel or exit button, programme keeps going. | Adding Error prevention method in the code:  if ID (The container of the code that just run.) = None:  break |
| 10/04/2024 | Error prevention methods (when user click cancel or exit button.) | Valid | When user click cancel of exit button in specific function. The function should return to the main menu. | The previous method works well on the code. However, it is not flexible with unnecessary repetition. | Change Error Prevention method into a method, and run the method after each ID.    ID = \  check\_if\_input\_is\_ok(ID, ID\_msg, ID\_title) |
| 10/04/2024 | Adding function (title enterbox and description enterbox.) | Valid | When user input empty string  (input nothing), the programme will jump out message to tell the user to enter something. | The actual result is same as what I expected. All functions work well with no errors. | None |

**Test Types:**

**Valid:** Is a test which the code accepts and should move on as expected. E.g a name input

**Invalid:** Is a test which the code shouldn’t accept and could crash the code if there is unacceptable input validation

**Boundary:** A test on the limit of either invalid or valid tests. E.g number inputs where the min value is 1 and max value is 5