Form Testing “Average Units Shipped ny Employee”

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For each of you event handlers create a copy of the table below to list all of the cases you will need to test.

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| --- | --- | --- | --- | --- |
| Event Handler: | | | | |
| User action | Input | Purpose | Response | |
| Desired | Actual |
| Clicks exit button | Width: any  Length: any | Testing the exit button that closes the program | The program closes once the exit button is pressed | the program closes |
| Clicks Enter buttons | Unit Entered: Null Value | Test to see if the program will further continue with the calculation even with an empty value | The program should display a message box encouraging the user to fill out the required inputs |  |
|  | Unit Entered:  Rational number | Testing the validation input for rational numbers | A message box appears “unit cannot be stored as a fraction” |  |
|  | Unit Entered:  Any word | Testing validation if string | A message box appears “units must be whole numbers to proceed with calculation” |  |
|  | Unit Entered:  Negative number | Testing validation if the units are negative or positive number | A message box appears “unit count for the day cannot be negative number” |  |
|  | Unit Entered:  Whole number | To test if the button will do the proper calculations | The Unit is stored in the array and day increments. if 7th day reach, proceed with calculation. |  |
|  | Any number on Day 7 | To check weather the average is calculated properly, and the input is saved on the other employee | To make sure that the shifting of textbox and index in the array is being properly executed |  |
|  | Any | Reach till the end of the array to check and see if the overall average is being calculated | The three averages for each employees should be displayed as well as the overall average  The enter button should be disabled and input is readonly |  |
| Clicks Reset buttons | Width: any  Length: any | Testing if the reset button clears all the units entered and displayed | Stored units in list box and array should be emptied, day restarts at day 1 and focuses on texbox.  The enter button should be enabled again and so is the input (if they were disabled/readonly) |  |