Student Name:

Student ID:

Date:

Assessment Title: Portfolio One

## Revision History

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| --- | --- | --- | --- |
| Version | Date | Author | Comment |
| V.1 | 15/09/21 | Shaun Rawlings | Initial test of V.1 Astronomical Processing Program |
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|  |  |  |  |

## AT 1: Question 12

Test table for Monitor Application using a white box technique for all major code pathways.

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| --- | --- | --- | --- | --- |
| **#** | **Test Case** | **Data** | **Expected Result** | **Actual Result / Comment** |
| *Case 1* | *Flow rate too low* | *Sensor value = 10* | *Open intake* | *Results as expected.*  *Ref Figure 1 (add screen capture).* |
| *Case 1* | *Autofill* | *24 x Random integers between 10 & 99* | *24 x Random integers between 10 & 99* | *24 x Random integers between 0 & 24 need to extend random array size to 10&99*  *Pressing Autofill button again will cause program to crash.* |
| *Case 2* | Add | Add integer to array | Integer is added to array | Integer is added to array.  Need to clear Text Box Input once integer is added.  If an integer is added and try to autofill program crashes.  If more than 24 integers are added program crashes.  When there no integer in Text Box Input Error message is displayed as tooltip – pop up required. ??  If no input in text box input display an error message. |
| *Case 3* | Edit | Integer | Selected integer is edited to new integer | Selected integer is edited to new integer.  Need to clear Text Box once edited.  When user input is string there’s no action – add error message  If no input in text box input display an error message. |
| *Case 4* | Search | Integer | Integer in text Box Input found in array, if not found message pop up. | Integer in text Box Input found in array, if not found tool tip message.  Remove tooltip and add pop up message for search being unsuccessful and a tooltip message for search successful.  If no input in text box input display an error message. |
| Case 5 | Sort | Integer | Sorts data numerically ascending | Currently auto sorts on Add.  Remove auto sort and add Sort to independent button. |
| Case 6 | Delete | Integer | Select data and delete | Selected data is deleted. |
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End of Test Report