**Test Report**

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| **Project Name:** | | **Astronomical Processing** | | | | | | | | | |  |
| **Module:** | | Version 1.1 | | | | | | | | | |  |
| **Requirement No:** | | - | | **Requirement Name:** | | | - | | | | |  |
| **Test Scenario No:** | | 1 | | **Test Scenario Name:** | | | Sprint One | | | | |  |
| **Description:** | | Debugging and testing program functionality. | | | | | | | | | |  |
| **Level of Testing:** | | - | | | | | | | | | |  |
| **Developer:** | | Brody Honey | | | **Tester:** | Rishon Jacobs | | | **Date:** | 22/09/21 | |  |
| **Test Case No** | **Test Case Name** | | **Test steps** | | | | **Test Data** | **Expected result** | | | **Result** | **Pass / Fail** |
| 1. | String | | Added characters into textbox. | | | | aa | Crash | | | Crash | Fail |
| 2. | Double | | Added a decimal value into textbox. | | | | 1.2 | Crash | | | Crash | Fail |
| 3. | Large Number | | Added large value into textbox. | | | | 12345678901234567890 | Crash | | | Crash | Fail |
| 4. | Negative Number | | Added negative value into textbox. | | | | -12 | Value added and displayed | | | Value added but not displayed | - |
| 5. | Empty TextBox | | Left textbox empty and clicked Add button. | | | | Empty TextBox | Message displaying, “TextBox empty” | | | Message displaying, “TextBox empty” | Pass |
| 6. | Empty TextBox | | Left textbox empty and clicked Edit button. | | | | Empty TextBox | Message displaying, “TextBox empty” | | | Displays  “Item edited” | Fail |
| 7. | Empty TextBox | | Left textbox empty and clicked Delete button. | | | | Empty TextBox | Message displaying, “TextBox empty” | | | Displays  “Nothing Selected” | Pass |
| 8. | Empty TextBox | | Left textbox empty and clicked Search button. | | | | Empty TextBox | Message displaying, “TextBox empty” | | | Crash | Fail |
| 9. | Special Characters | | Added Special Characters into TextBox. | | | | ! | Crash | | | Crash | Fail |
| 10. | White Space | | Added white space into TextBox. | | | | Spacebar | Crash | | | “Cannot add item, maximum size reached“ | Pass |
| 11. | Past limit | | Adding values after array displays 24 integers. | | | | 21 | “Maximum Size Reached” | | | “Maximum Size Reached” | Pass |
| 12. | Search Function 1# | | Testing the search function by searching values displayed in array. | | | | 11 | Correct Index | | | Incorrect Index | Fail |
| 13. | Search Function 2# | | Testing the search function by searching values displayed in array. | | | | 11 | Index count begins at 0 | | | Index count begins at 0 | Pass |
| - | - | | Correcting mistakes found and adding error trapping. | | | | - | - | | | - |  |
| 14. | String | | Attempted to add characters into textbox. | | | | hffore | Expected characters to enter textbox but not display in array. | | | Could not enter characters into textbox. | Pass |
| 15. | Digit limit | | Attempted to add more than 2 digit values. | | | | 123 | Expected only first 2 digits to be entered into textbox. | | | Only 2 digits allowed in textbox. | Pass |
| 16. | Empty TextBox | | Left textbox empty and clicked Edit button. | | | | Empty TextBox | Message displaying, “TextBox empty” | | | Message displayed “Textbox empty” | Pass |
| 17. | Delete Function | | Tried to delete without selecting anything. | | | | - | “Item deleted” | | | “Nothing selected” | Pass |