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| Test Suite ID | TS001 |
| Test Case ID | TC001 |
| Test Case Summary | To verify that clicking the Multiply button generates the correct result. |
| Related Requirement | RS001 |
| |  |  | | --- | --- | | Prerequisites |  | | Y field empty.  Z field empty. |
| Test Procedure | Insert positive or negative integer in Y field.  Insert positive or negative integer in Z field.  Click on multiply button. |
| Test Data | Y : between -2^31 and the 2^31-1  Z : between -2^31 and the 2^31-1 |
| Expected Result | Result should be produced if the Y and Z are valid |
| |  |  | | --- | --- | | Actual Result |  | | If Y and Z are some valid integers the result is as expected.  If Y and Z are invalid, error message is displayed. |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Ciumafai Georgiana |
| Date of Creation | 04/29/2019 |
| Executed By | Ciumafai Georgiana |
| Date of Execution | 04/29/2019 |
| Test Environment | OS: Windows 10  Environment: Intellij IDEA |

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| Test Suite ID | TS002 |
| Test Case ID | TC002 |
| Test Case Summary | To verify that clicking the Divide button generates the correct result. |
| Related Requirement | RS002 |
| |  |  | | --- | --- | | Prerequisites |  | | Y field empty.  Z field empty |
| Test Procedure | Insert positive or negative integer in Y field.  Insert positive or negative integer in Z field.  Click on Divide button. |
| Test Data | Y : between -2^31 and the 2^31-1  Z : between -2^31 and the 2^31-1 |
| Expected Result | Result should be produced if the Y and Z are valid |
| |  |  | | --- | --- | | Actual Result |  | | If Y and Z are some valid integers the result is as expected.  If Y and Z are invalid, error message is displayed. |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Ciumafai Georgiana |
| Date of Creation | 04/29/2019 |
| Executed By | Ciumafai Georgiana |
| Date of Execution | 04/29/2019 |
| Test Environment | OS: Windows 10  Environment: Intellij IDEA |

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| Test Suite ID | TS003 |
| Test Case ID | TC003 |
| Test Case Summary | To verify that clicking the Divide button when division by zero generates error message. |
| Related Requirement | RS003 |
| |  |  | | --- | --- | | Prerequisites |  | | Y field empty.  Z field empty. |
| Test Procedure | Insert positive or negative integer in Y field.  Insert 0 integer in Z field.  Click on Divide button. |
| Test Data | Y : between -2^31 and the 2^31-1  Z : 0 |
| Expected Result | Error message |
| |  |  | | --- | --- | | Actual Result |  | | Error message “Divide by zero”  If Y and Z are invalid, error message is displayed. |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Ciumafai Georgiana |
| Date of Creation | 04/29/2019 |
| Executed By | Ciumafai Georgiana |
| Date of Execution | 04/29/2019 |
| Test Environment | OS: Windows 10  Environment: Intellij IDEA |

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| --- | --- |
| Test Suite ID | TS004 |
| Test Case ID | TC004 |
| Test Case Summary | To verify that clicking the Multiply when input is incorrect generates error message. |
| Related Requirement | RS004 |
| |  |  | | --- | --- | | Prerequisites |  | | Y field empty.  Z field empty. |
| Test Procedure | Insert floating point number in Y field.  Insert 0 integer in Z field.  Click on Divide button. |
| Test Data | Y : 1.12345  Z : 0 |
| Expected Result | Error message |
| |  |  | | --- | --- | | Actual Result |  | | If Y is invalid and Z is valid result is “Invalid input” error message. |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Ciumafai Georgiana |
| Date of Creation | 04/29/2019 |
| Executed By | Ciumafai Georgiana |
| Date of Execution |  |
| Test Environment | OS: Windows 10  Environment: Intellij IDEA |

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| --- | --- |
| Test Suite ID | TS005 |
| Test Case ID | TC005 |
| Test Case Summary | To verify that clicking the Multiply button when input is incorrect generates error message. |
| Related Requirement | RS005 |
| |  |  | | --- | --- | | Prerequisites |  | | Y field empty.  Z field empty. |
| Test Procedure | Insert any String characters or floating point numbers or double numbers |
| Test Data | Y : between -2^31 and the 2^31-1  Z : “a” or 1.3 or ‘a’ or ‘.’ |
| Expected Result | Error message |
| |  |  | | --- | --- | | Actual Result |  | | If Y is valid and Z is invalid the result is “Invalid input” error message. |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Ciumafai Georgiana |
| Date of Creation | 04/29/2019 |
| Executed By | Ciumafai Georgiana |
| Date of Execution | 04/29/2019 |
| Test Environment | OS: Windows 10  Environment: Intellij IDEA |