|  |  |
| --- | --- |
| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 24 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: x^y module; | **Test Executed by**: Alan |
| **Test Title**: User attempts to calculate x^y with invalid inputs; | **Test Execution date**: 2023.10.22 |
| **Description**: User enters invalid inputs for the base (x) and/or exponent (y) and expects to handle the error when calculating x^y. |  |
|  |  |
|  |  |
| **Pre-conditions**: User is attempting to calculate x^y with one or more invalid inputs. | |
| **Dependencies**: | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User enters an invalid base (x); | Enter an invalid base number (e.g., "abc" or "0") | Get error tips; | We get error tips indicating that the base input is invalid. | Pass |  |
| 2 | User enters an invalid exponent (y); | Enter an invalid exponent number (e.g., "xyz" or "-") | Get error tips; | We get error tips indicating that the exponent input is invalid. | Pass |  |
| 3 | User presses the x^y button; | x^y | Get error tips; | We get error tips indicating that the calculation cannot be performed with invalid inputs. | Pass |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |
| --- |
| **Post-conditions:** |
| If either the base or exponent input is invalid, the x^y calculation is not performed, and the test case is passed. |