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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | BU\_001 | **Test Case Description** | | | Test the functionality of SQUARE function | | | | | | | | | | | |
| **Created By** | | Abdullah Mohsin | **Reviewed By** | | | Abdullah Mohsin | | **Version** | | | | | 1.1 | | | | |
|  |  |  |  |  | |  |  | |  | |  | | |  | |  |
| **QA Tester’s Log** | | The test case of given document is ok Pass | | |  | | |  | |  | | |  | |  | | |
|  |  |  |  |  | |  |  | |  | |  | | |  | |  |
| **Tester's Name** | | Abdullah Mohsin | **Date Tested** | | | 24-2-2025 | | **Test Case (Pass/Fail/Not Executed)** | | | | | Pass | | | | |
|  |  |  |  |  | |  |  | |  | |  | | |  | |  |
| **S #** | **Prerequisites:** | | |  | | **S #** | **Test Data** | | | | |
| 1 | Visual Studio IDE with c++ module | | |  | | 1 | A=5 | | | | |
| 2 |  | | |  | | 2 | A=-5 | | | | |
| 3 |  | | |  | | 3 | A=1000 | | | | |
|  |  | | |  | | 4 | A=10000 | | | | |
| 4 |  | | |  | | 5 | A=1000000 | | | | |
|  |  |  |  |  | |  |  | |  | |  | | |  | |  |
| **Test Scenario** | Verify the functionality of square function working properly with positive and negative values | | | | | | |  | |  | | |  | |  | | |
|  |  |  |  |  | |  |  | |  | |  | | |  | |  |
| **Step #** | **Step Details** | | **Expected Results** | | | **Actual Results** | | | | **Pass / Fail / Not executed / Suspended** | | | | | | | |
|
| 1 | Open Visual studio and load source code | | Source code should be loaded | | | As expected | | | | Pass | | | | | | | |
| 2 | Locate the square function in source code | | Square function code should be there | | | As Expected | | | | Pass | | | | | | | |
| 3 | Call square function with a=1000 | | Square function should be compiled without error | | | As Expected | | | | Pass | | | | | | | |
| 4 | Observe the output(e.g a=1000000) | | Output should be 1000000 | | | As Expected | | | | Pass | | | | | | | |
| 5 | Call square function with a=1000 | |  | | |  | | | |  | | | | | | | |
| 6 |  | |  | | |  | | | |  | | | | | | | |
| 7 | Call the square function with a=-5 | | Square function should be compiled without error | | | As Expected | | | | Pass | | | | | | | |
| 8 | Observe the output it should be 25 | | Output should be 25 | | | As Expected | | | | Pass | | | | | | | |