# Test Description

**Test Name or ID**: T011 – T016

**Test Type**: White Box Testing

**Description**: To determine whether the box size is within the required range.

**Setup****:** To carry out testing of this function, linking to the Visual Studio Unit Testing template was performed and Assert::AreEqual method was used.

**Test Function**: int checkSize(const double size)

**Test Scenarios:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TestID | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| T015 | Valid size input | Size = 0.25 | 1 | 1 | Passed |
| T016 | Valid size input | Size = 0.5 | 1 | 1 | Passed |
| T017 | Valid size input | Size = 1 | 1 | 1 | Passed |
| T018 | Invalid size input | Size = 0.3 | 0 | 0 | Passed |
| T019 | Invalid size input (value greater than FULL\_SIZE) | Size = 1.5 | 0 | 0 | Passed |
| T020 | Invalid size input (negative number) | Size = -0.5 | 0 | 0 | Passed |

**Bugs Found**: Not yet found.