# Test Description

**Test Name or ID**: Testing for the input

**Test Type:** Black box

**Description:** Testing how the main input function, which prompts the user to enter all the required details for the shipment, performs its intended purpose.

**Setup:** For testing this function, the Visual Studio Console will be used.

**Test Function:** void input(struct PackageInf \*);

**Test Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| Error handling and acceptance of correct input | 0 0 x | Exit | Invalid weight (must be 1-1000 Kg.) | **FAIL** |
| 1000 0.25 15A | VALID message shown | (No message shown) | **FAIL** |
| 1001 0.25 15A | ERROR:  weight is not within limit | Invalid weight (must be 1-1000 Kg.) | **PASS** |
| 1000 0.24 15A | ERROR:  size is not within limit | Invalid size | **PASS** |
| 1000 0.5 26B | ERROR:  destination is not within limit | Invalid destination | **PASS** |
| -1 -1 1A | ERROR message shown | Invalid weight (must be 1-1000 Kg.) | **PASS** |
| ABC123456 | ERROR message shown | Input failed | **PASS** |
| 0 0 X | ERROR message shown | Invalid weight (must be 1-1000 Kg.) | **PASS** |
| X 0 0 | ERROR message shown | Input failed | **PASS** |
| [!@#$%^&\*(](mailto:!@#$%^&*() | ERROR message shown | Input failed | **PASS** |

**Bugs Found**:

The function validateDestination() is not accepting valid input and not rejecting invalid output at this stage, user cannot exit from the program.