# Test Description

**Test Name or ID**: Blackbox - getShipmentFromInput

**Test Type:** Black box

**Description:** This function return integer which act like Boolean to validate if user input data is valid or not. If user input data of this package is valid, store this package to struct shipment.

**Setup:** Make sure user can input data (get hardware ready, ie. standard input from keyboard), and user input via different operation system are accepted. Prepare data file of package information if necessary.

**Test Function**: int getShipmentFromInput()

Description: This function does not receive parameter and rely on user input.

**Test Scenarios:**

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| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| Check if positive result received, minimum weight data in use | User input: weight: 1 size: 0.25 destination :1A | 1(means true) |  |  |
| Check if positive result received, maximum weight data in use | User input: weight: 1000 size: 0.25 destination 1A | 1(means true) |  |  |
| Check if positive result received, maximum size data in use | User input: weight: 1 size: 1 destination 1A | 1(means true) |  |  |
| Check if positive result received, minimum grid destination data in use | User input: weight: 1 size: 1 destination 1A | 1(means true) |  |  |
| Check if positive result received, maximum grid destination data in use | User input: weight: 1 size: 1 destination 25Y | 1(means true) |  |  |
| Check if negative result received, negative weight data in use | User input: weight: -1 size: 0.25 destination 1A | 0 (means false) |  |  |
| Check if negative result received, overweight data in use | User input: weight: 2000 size: 0.25 destination 1A | 0 (means false) |  |  |
| Check if negative result received, negative size in use | User input: weight: 1  size: -0.5 destination 1A | 0 (means false) |  |  |
| Check if negative result received, size out of range | User input: weight: 1  size: 0.75 destination 1A | 0 (means false) |  |  |
| Check if negative result received, destination out of grid | User input: weight: 1  size: 0.25 destination 26A | 0 (means false) |  |  |
| Check if negative result received, NULL weight data in use | User input: weight: NULL  size: 0.25 destination 26A | 0 (means false) |  |  |
| Check if negative result received, NULL size data in use | User input: weight: 1  size: NULL destination 1A | 0 (means false) |  |  |
| Check if negative result received, NULL size data in use | User input: weight: 1  size: NULL destination 1A | 0 (means false) |  |  |
| Check if negative result received, NULL destination in use | User input: weight: 1  size: 0.25 destination NULL | 0 (means false) |  |  |
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**Bugs Found**: