|  |  |  |  |
| --- | --- | --- | --- |
| Function: Validate() | Data | Expected Result | Description |
| Test08a | size = 0.25 weight = 200 struct point destination = {2,2} | Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function) | Test to see if valid shipment input with valid shipment size, SMALL\_BOX\_VOL, returns 1(all inputs are validated) |
| Test08b | size = 0.50 weight = 20 struct point destination = {18,8} | Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function) | Test to see if valid shipment input with valid shipment size, MED\_BOX\_VOL, returns 1(all inputs are validated) |
| Test08c | size = 1 weight = 20 struct point destination = {23,11} | Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function) | Test to see if valid shipment input with valid shipment size, LARGE\_BOX\_VOL, returns 1(all inputs are validated) |
| Test09a | size = 0.40 weight = 1 struct point destination = {22,22} | Invalid size | Test to see if invalid shipment size between SMALL\_BOX\_VOL and MED\_BOX\_VOL displays error message |
| Test09b | size = 0.9999999 weight = 90 struct point destination = {22,22} | Invalid size | Test to see if invalid shipment size 0.9999999(closest to valid size LARGE\_BOX\_VOL) displays error message |
| Test09c | size = 1.000000001 weight = 75 struct point destination = {1,21} | Invalid size | Test to see if invalid shipment size 1.000000001(closest to valid size LARGE\_BOX\_VOL) displays error message |
| Test09d | size = 0.251 weight = 30 struct point destination = {1,21} | Invalid size | Test to see if invalid shipment size 0.251(closest to valid size SMALL\_BOX\_VOL) displays error message |
| Test09e | size = 0.500000001 weight = 90 struct point destination = {22,22} | Invalid size | Test to see if invalid shipment size 0.500000001(closest to valid size MED\_BOX\_VOL) displays error message |