| **Test #** | **Description** | **Test Data** | **Expected Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- |
| T01 | Tests with all valid variables and package destination closest to the green truck. | **struct ShipmentInfo package = { 10, 0.5, { 7, 24 } };** | 4 | Pass |
| T02 | Tests with all valid variables and package destination closest to the yellow truck. | **struct ShipmentInfo package = { 30, 1.5, { 5, 8 } };** | 8 | Pass |
| T03 | Tests with a package that exceeds the maximum weight limit. | **struct ShipmentInfo package = { 1001, 2.0, { 10, 10 } };** | 0 | Pass |
| T04 | Tests with a package that exceeds the maximum volume limit. | **struct ShipmentInfo package = { 500, 3.1, { 20, 20 } };** | 0 | Pass |
| T05 | Tests with all valid variables, but the closest truck to the package (blue - 2) is full, and then the second closest truck is green. | **Trucks[0].currentWeight = 999; struct ShipmentInfo package = { 400, 0.5, { 15, 11 } };** | 4 | Fail |
| T06 | Tests with all valid variables, but the closest truck to the package (blue - 2) is full, and then the second closest truck is yellow. | **Trucks[0].currentWeight = 999; struct ShipmentInfo package = { 400, 0.5, { 15, 11 } };** | 8 | Fail |

First Test Run – Jay Vakil

A screenshot of a computer

Description automatically generated

Final Test Done As Of 31st July 21:37 – Jay Vakil

A screenshot of a computer

Description automatically generated