# Test Description

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

**Test Type:** Black box

**Description:** This function returns the index of the array of struct “Truck”, according to the best available truck in terms of weight and volume. If no truck is available for delivery -1 will be return. This function align the sequence of package. And according to the minimum distance to the destination via function “minDistance”. By using function “isReady”, noticed the package is ready for dispatching.

**Setup:** Make sure the test data prerequisites are fulfilled and implemented.

**Test Function**: int dispatchTruck(const struct Truck[])

Description: This function receives 1 parameter struct “Truck”, which is the array index of trucks running on different routes (Blue, green & yellow).

**Test Scenarios:**

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| --- | --- | --- | --- | --- |
| Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| Struct Truck received correctly | Struct Truck | Positive Struct array received |  |  |
| Struct Truck data received & truck overloaded | Overload weight / size | -1 |  |  |
| Struct Truck received NULL | NULL | Error |  |  |
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**Bugs Found**: