

For this verification, we will use System tests to give a clear walkthrough of how the system will operate. We shall be running through two different system tests, in which we will go through various scenarios that interact with our Inventory of vehicles. Test one will feature searches for vehicles when one is in the system and another for one that is not currently in the system. When searching the inventory, if the vehicle is in the system, it should show up in the search results. If it's not in the system, then it will return nothing as the vehicle isn't found. This will demonstrate how the employees might interact with the system in opposing scenarios. The second system will be related to checking the availability of a vehicle. The user will have one scenario where the desired vehicle is available and one where it isn't. This will demonstrate the boolean technique used to determine if a vehicle is taken. The first scenario will return true as its available, and the second should return false as it is not available.

| System 1 Test | System 2 Test |
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| <p>Feature: searchVehicle: Vehicle</p> <p>Search Test 1: The employee will use the car rental system to look for a vehicle that is in stock. They will search for the vehicle using the vehicle name. As the vehicle is in the system, it will show up in the search results.</p> <p>Search Test 2: The employee will be searching for a vehicle that is not in the system. The employee will enter the desired vehicle using the search. Due to the vehicle not being in the system, there will be nothing in the search results.</p> | <p>Feature: checkAvailability(): bool</p> <p>Availability Test 1: The employee will be checking the availability of a desired vehicle. They will search for the desired vehicle in the system, and it will indicate that it has indeed not been taken with a true statement.</p> <p>Availability Test 2: The employee searches the system for information on whether or not a vehicle is available. The vehicle is being used already, so the check availability will return with a false message to indicate that it is not available to be used.</p> |