Scenario 1:

Bobby wants to find a red Honda Civic, from 2009, with 10,000 miles or less, costing between $10,000 and $15,000. So, Bobby browses to the dealership site. Bobby then is presented with a filter list, and Bobby selects the corresponding filters according to his search, then submits his query. As a result, a list of cars with characteristics similar to the query comes up for Bobby to browse through.

Scenario 2:

Pat wants to add a new car to his inventory at the dealership. So, Pat browses to the dealership site, and logs in. Pat is provided a page with the inventory on it along with buttons to add a car and to remove a car. Pat clicks the add new car button, and is then provided a form to enter the characteristics of the new car, such as color, make, model, year, mileage, cost, style, and vehicle ID, to then be submitted. After the car is submitted, the car is added to the list of existing cars in inventory and a success message is displayed.

Scenario 3:

Pat wants to remove a car from his inventory at the dealership because he just sold a car. So, Pat browses to the dealership site, and logs in. Pat is provided a page with the inventory on it along with buttons to add a car and to remove a car. Pat then filters what car he wants to remove, for example, by vehicle ID. Pat clicks the remove car button for the corresponding query, and then the car is removed from the list of existing cars in inventory and a success message is displayed.

Use Case:1

Name: Search by Details

Actor: Potential Customer

Description: The Potential Customer can search for cars in stock by specifying color, year, make, model, maximum number of miles, style, and price range.

Precondition: Potential Customer has navigated to the dealerships website.

Trigger: Potential Customer enters keywords then clicks the search button.

Exceptions: Search does not return any results, displays a no items found message.

Customer does not enter any keywords, returns customer to browse page.

Customer enters an invalid price range.

Postcondition: Potential Customer lands on a page with a list of cars based on keywords provided.

Use case 2:

Name: Add Inventory

Actor: Dealer

Description: The dealer can add a new car to his inventory along with the characteristics of that car.

Precondition: Dealer has already navigated to the dealership website and logged in.

Trigger: Dealer presses the add new car button and fills out the characteristics of the car: make, model, year, miles, style, description, color, vehicle identification number, and price.

Exceptions: Dealer neglects to add a value for a field, the dealer will be prompted to enter a value.

Dealer enters invalid value for a field, the dealer will be prompted to correct the value.

A car with the same vehicle identification number is already included in the inventory.

Post condition: The car is added to the inventory and the dealer is presented with a confirmation.

Use Case 3:

Name: Remove Inventory

Actor: Dealer

Description:

The dealer can remove a car from his inventory, with the characteristics of that car.

Precondition: Dealer has already navigated to the dealership website and logged in.

Trigger: Dealer presses the remove car button.

Steps: Dealer navigated to cars’ inventory page. click on, display all car button. Then selects one or more cars, which he want to remove. Then press the remove button to remove, selected cars.

Exceptions: Specific car dealer wants to remove, is not displayed.

Dealer does not select any car from inventory and pressed the remove button.

Post condition:

A message with successfully selected cars are removed is displayed on screen.