Functional requirements are written with a purpose of mentioning all the functionalities which a software will provide.

TITLE: User registration

DESC: New user can register themselves by entering their name, password, address, contact number and email. Registration module will give the access to users for this web application.

Progress: The prototype design for this registration form and a sample working coding have been done for the user registration. The sample working code is also attached in github repository.

RAT: The user will be able to register in this web application.

TITLE: User log-in

DESC: After registering themselves the user will be able to log in in this web application, log in credentials are based on their registration. NET MVC provides the in-built log in service such as individual authentication which is also added to github for the group to test upon.

TITLE: View car list

DESC: This page is for displaying list of cars which is uploaded on this web application. The number of cars are to be displayed on this page as per their background details such as company name, model year and type. Design is core aspect for this page and design structure is made by our group. Possible improvement in the design of this page are expected till the end of the project testing.

RAT: To provide user list of cars to select and view the description of their desired car.

TITLE: Searching a car

DESC: Search operation is one of the core functional requirement for this web application due to the ease of access it gives to the user to find the car of their interest. The best possible attempt has been made to create a SQL query which can give the result as per the search criteria. A sample ajax code has also been worked out to load one drop box menu to another drop box menu. First menu is for selecting the brand of car and another is for the car name.

RAT: To allow user to search a car based on the brand, model year, price and name.

TITLE: Add to cart

DESC: The user will be led to the add to cart form once he/she has selected the desired car. This page will display the product attributes, price and quantity. However, there will be a button to cancel the item if user is no more interested to buy the selected product.

RAT: To provide add to cart page with product attributes to review order before buying product.