CarsWale.Com

Design Document

**Introduction:**

CarsWale.Com is a car selling website which provides users a hassle-free and broker-less selling and buying of second-hand cars. If a user is logged in as a seller, he/she can upload category, brand, price which is negotiable or non-negotiable of their car. If a user is logged in as a buyer, he/she can search for second hand cars based on category, brand, price and set an appointment for inspecting the car. The system sets a date by default if the user has not booked any meeting. After which the buyer can go ahead and make payments offline with the seller directly.

**Objective/Goal:**

* A dedicated website only for selling second hand cars
* Middle-man free payments
* Selling-buying cars within a week
* Personal inspection of cars

**Modules:**

* Login-Registration for buyer, seller

1. Google-Facebook login
2. Individual user registration and login using personalized login
3. Guest is given access only to view the cars and not to buy/sell
4. Seller and buyer has to login
5. Different interfaces for buyer and seller

* Admin-login:

1. To handle the feature and functions of the website

* Car seller features:

1. Crud operations and entity framework to upload, edit, delete car details
2. Category, brand, car bought month and year, mileage and price are a must provide for seller search stored in Cars
3. These details will be stored in car table

* Car-buying features:

1. Only logged in user can buy cars
2. Guest users can view the cars and check the details
3. Users can search for cars based on category, model, price range
4. Set appointment using calendar or by default appointment is set after 2 days
5. Details of the appointment sent via Message to the seller

* Review and analytics:

1. User rating on cars
2. Display graphs of the user
3. User experience testimonials of using

**Technology and Techniques:**

1. Login and registration using authentication and authorization
2. Login using google and Facebook API
3. Basic MVC and entity framework
4. Code first approach to create database consisting of user and cars table
5. Custom routing and filtering
6. Ajax and partial views for searching
7. Message API for sending appointment details
8. Google API maps for shop locator
9. Google Analytics for user reviews
10. HTML,CSS and bootstrap for Views
11. Unit testing

**TimeLine:**

1. Login for admin🡪17/10/19 to 18/10/19
2. Login and Sign-up for users using Google API🡪17/10/19 to 18/10/19
3. Authentication and authorization for different logins🡪18/10/19
4. Basic MVC with entity framework to upload car details🡪19/10/19
5. Code first approach to create database containing users, cars table🡪20/10/19 to 21/10/19
6. Custom routing for security🡪21/10/19
7. Setting up of appointment and sending message🡪22/10/19 to 23/10/19
8. HTML, Bootstrap for front-end and changing the views and Unit testing🡪26/10/19-27/10/19
9. Using google APIs for analytics🡪28/10/19
10. Google API maps for locating nearby shops🡪
11. Table to store past purchase of the user and LINQ to display it🡪25/10/19 to 28/10/19