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.

**Purpose:**

* 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:

1. Google-Facebook login using APIs
2. Individual user registration and login using personalized login
3. Seller and buyer has to login using authentication
4. A dedicated Table for users

* Admin-login:

1. To handle the feature and functions of the website using authentication and authorization

* Car seller upload car details:

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 table using LINQ queries and entity framework
3. These details will be stored in car table based on LINQ queries

* Car-buying features:

1. Only logged in user can buy cars using authentication
2. Guest users can view the cars and check the details using CRUD Entity framework
3. Users can search for cars based on category, model, price range using ajax
4. Set appointment using calendar or by default appointment is set after 2 days

* Website-features:

1. User experience and rating using database, HTML and CSS Blogs
2. Google analytics for User rating

**TimeLine:**

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