**Problem Statement: Car-o-room**

*Draft 1*

We need a system to manage and showcase the new and used cars of our showroom in a website and get potential clients through it. This website is supposedly gateway to our services of on-sale cars providing detailed information about cars and options to check availability of these cars by filling up the contact form.

There needs to be a way within this system for our data manager to be able to add new and used car’s data along with other information as shown in the table 1.1.

This is the data as a reference that is supposed to be added to the car.

Table .1 Data structure for Cars

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Categories | Price | Model | Make | Title | Distance |
| New | $39900 | Audi | e-tron | New e-tron for sale | 1 mile |
| Used | $20000 | Tesla | Model S | Used Tesla Model S for sale | 90000 miles |

*Note: Other information such as Location, Seller’s note can be added as well.*

**Detailed information about website’s workflow**

Data manager needs to be able to login to the system to be able to add cars. For data managers to log in there needs to a button to redirect to the login page. After logging in s/he should be landed back to the home page where he can access navigations to add cars, makes, and check for recent inquiry about the availability.

Potential customers will see most of the information on the homepage. They need to be provided with the option to filter data available on the system. Filter should be enabled for fields like New or Used, Price, Make, Model and Distance. There should be an option to sort the results by the price.

There should be individual pages for each car in the system with detailed information about the car. On this page potential customers will get option to fill out an inquiry form to check availability of the car. Data submitted through this form needs to be added to the database such that this will be accessible to our customer service representative.