

PROJECT DOCUMENTATION

Project Name	Vehicle Rental System
Project Batch	4
Platform	Web-app
Front End	Html, CSS , Servlets, JSP
Back End	MySQL Database

TABLE OF CONTENTS:

1. OBJECTIVE
2. ABSTRACT
3. HARDWARE REQUIREMENTS
4. SOFTWARE REQUIREMENTS
5. FUNCTIONAL SPECIFICATIONS
6. ER DIAGRAMS
7. UML DIAGRAMS
8. DATA DICTIONARY

9. POST IMPLEMENTATION

10. FUTURE ENHANCEMENTS

OBJECTIVE:

The main objective of our project is to provide an option for the customer to choose his/her favourite car to travel instead of pouring so much money on taxis or to avoid overcrowded metro trains when he is out of town/country.

Our EasyTravel website allows the customer to book the rental online and could provide valuable feedback for improvement in services.

It has an easy to understand interface and as this system works online it allows anyone to book or rent a vehicle in a city without any time restriction

ABSTRACT:

Car and bus travel agencies need an effective management platform for handling their respective transportation services. The existing system relies on manual data recording for management which is very tedious and time consuming, involving a lot of manpower and paper work. So, the current system need to be computerized, and if possible web-based.

The main idea of this project is to offer the best of car services to the clients in need. It has a fleet of cars ranging from normal budget cars to expensive luxury cars. The best thing about a web-based system such as this is that it offers online car hire for corporate houses. This makes the overall car service work easily accessible and reliable.

HARDWARE REQUIREMENT

Client side:

RAM	2-4 GB
Hard disk	10 GB
Processor	2.0 GHz

Server Side:

RAM	2-4 GB
Hard disk	20 GB
Processor	2.0 GHz

SOFTWARE REQUIREMENT**Client side:**

Web Browser	Google, Mozilla Firefox etc.
-------------	------------------------------

Server side:

Web Server	Tomcat server
Database Server	MySql
Other Softwares	Eclipse, Mysql-Workbench , Java

FUNCTIONAL SPECIFICATIONS:**User Specification:**

User can view information of available car list, book the car easily, get the car on rent and also give feedback.

Admin can view the list of cars, view all the members and see their bookings also he can view feedback of all customers.

MODULE SPECIFICATION

View Available Cars: It is a system design specially for car rental. The user can view Available cars and user can book for that car.

Booking Car : The user can view Available cars and book for a car. If the car is already booked the user must book another car.

Easily Get the Car on rent : The Customer can easily get the car whenever they need to on the rent with in a determined period.

Give Feedback : The customer will give the feedback to the admin.

Manage Rent: The Admin can able to see all the available car see all the customers and their bookings.

View Feedback: The admin easily view the feedbacks and solve the query.

MODULE SPECIFICATION :

Admin: The admin can able to view all the user and their bookings. Also he could see all the available cars. He could easily view feedbacks of customers and solve the query.

Cars: This helps user to view all the list of cars.

Booking: The user can select the available cars and book then for a period of time.

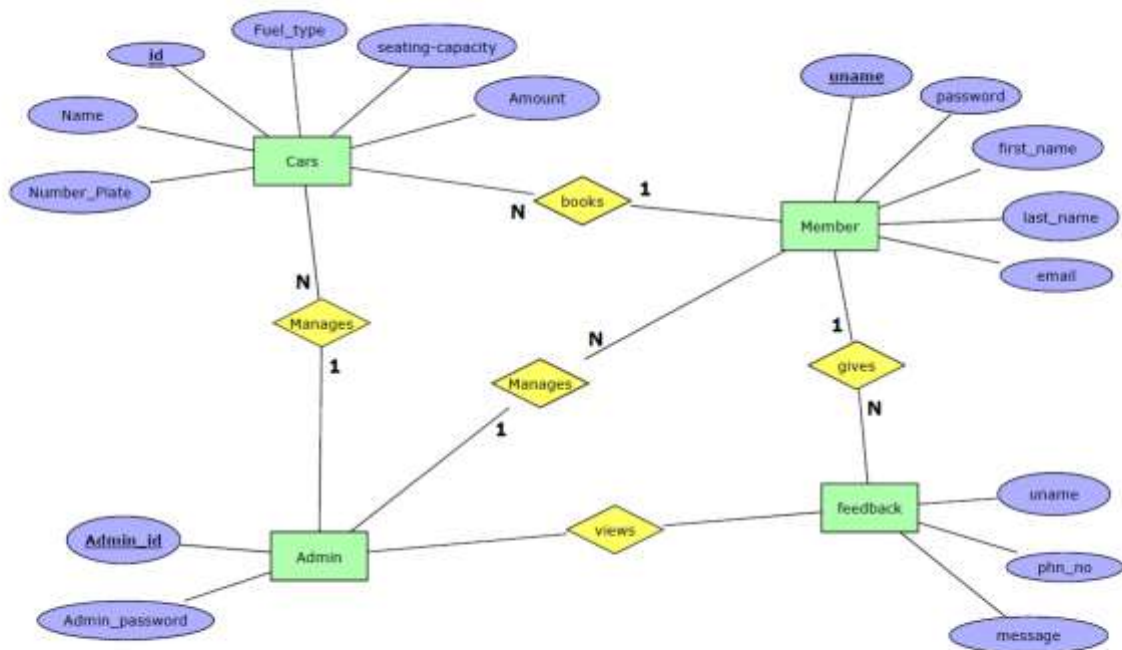
My Bookings: This helps user to view his bookings.

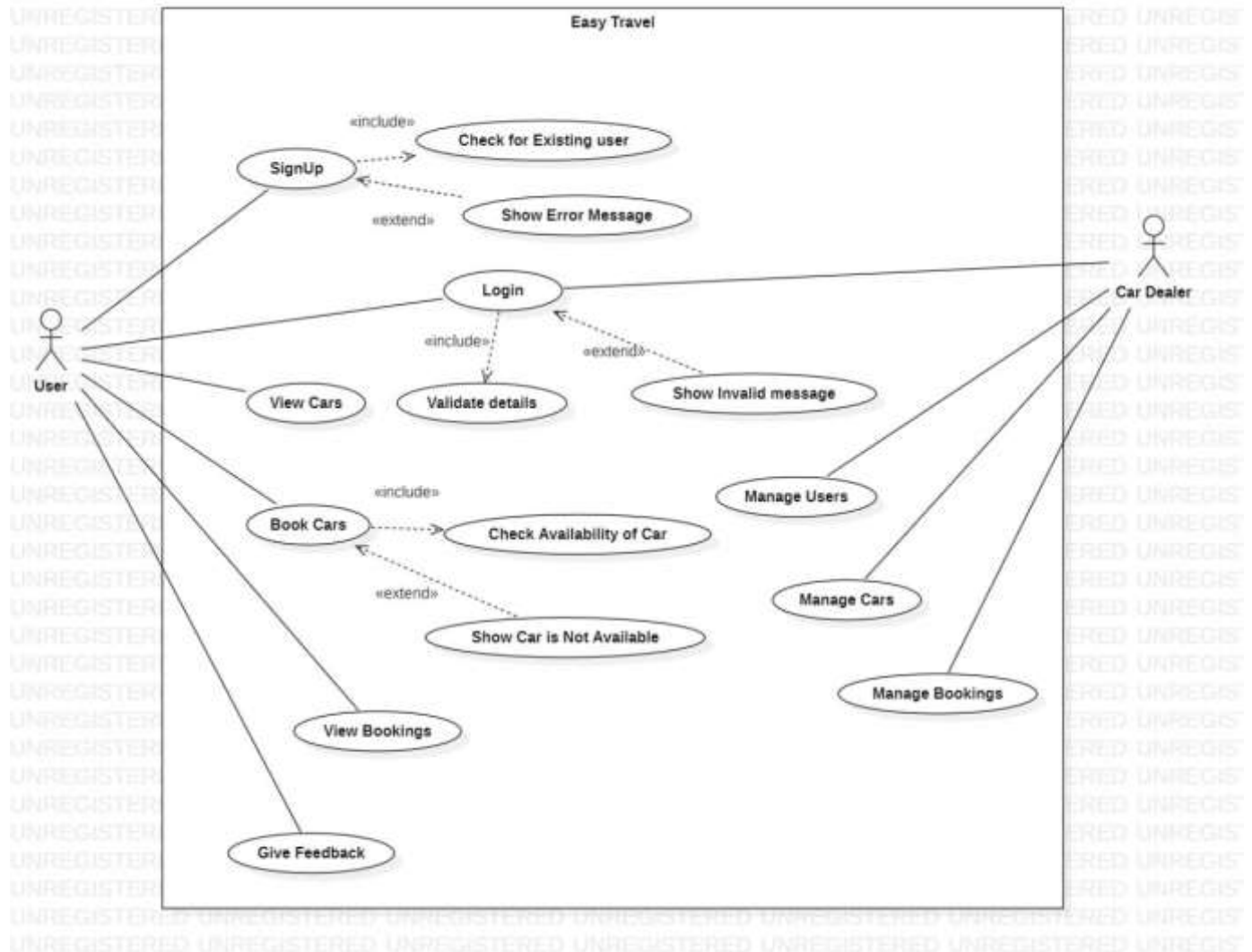
Sign In/ Sign Up: This helps user to sign up or sign in to our website

Logout: This helps user to logout from his session.

UML DIAGRAMS:

ER DIAGRAM:



USE CASE DIAGRAM:

DATA DICTIONARY:

```
mysql> select * from admin;
+-----+-----+
| admin_id | admin_pswd |
+-----+-----+
| admin1   | admin@123  |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from bookedcars;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| uname | id | name | numberplate | seating_capacity | fuel_type | amount | fromdate | todate |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| username | id | car name | number plate | seats | fuel | amount | fromdate | todate |
| anand | c8 | Bowler Bulldog | ERS 8579 | 4 | Petrol | 6000 | 2021-04-20 | 2021-04-25 |
| anand | c7 | Jeep Compass | AP 09 YE 6969 | 5 | Petrol | 1800 | 2021-04-14 | 2021-04-22 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> select * from cars;
+-----+-----+-----+-----+-----+-----+
| id | name | numberplate | seating_capacity | fuel_type | amount |
+-----+-----+-----+-----+-----+-----+
| id | Car Name | Number PLate | Seats | Fuel | Cost |
| c1 | BMW 5 series | MH 12 DE 1433 | 5 | Petrol | 2000 |
| c2 | BMW 7 series | MH 12 DE 1444 | 5 | Diesel | 2500 |
| c3 | BMW 3 series | MH 12 DE 1500 | 5 | Petrol | 1800 |
| c4 | Mahindra Jeep | TS 08 EQ 4548 | 5 | Petrol | 1900 |
| c5 | Mercedes C Class | MH 12 DE 7434 | 5 | Petrol | 2200 |
| c6 | Audi Q7 | MH 12 DE 9945 | 5 | Petrol | 2500 |
| c7 | Jeep Compass | AP 09 YE 6969 | 5 | Petrol | 1800 |
| c8 | Bowler Bulldog | ERS 8579 | 4 | Petrol | 6000 |
| c9 | hudson hornet | s1 HHMD | 2 | Petrol | 15000 |
| c10 | Nano | AP 11 EQ 7979 | 4 | Petrol | 1000 |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.04 sec)
```

```
mysql> select * from members;
```

first_name	last_name	email	uname	pass
FirstName	LastName	Email	Username	Password
Anand	Kathyay	anand@gmail.com	anand	123

```
2 rows in set (0.00 sec)
```

```
mysql> select * from feedback;
```

uname	phn_no	msg
UserName	Phn No	Feedback
anand	9876543215	Nice work keep going..!

```
2 rows in set (0.00 sec)
```

POST IMPLEMENTATION

- The website application is self maintained.
- There is no need provide post implementation support.
- The admin can access add, edit, delete process.

FUTURE ENHANCEMENT

- Add new Interesting surveys