



Project Name: ONLINE BIKE BOOKING SYSTEM
Branch PG-DAC SEPT- 2021.

Documentation On

“ONLINE BIKE BOOKING SYSTEM”
PG-DAC SEPT- 2021

Guided By: Bakul Joshi

Submitted By : Group No: 01

- | | |
|--------------------|--------------|
| • Ajay Raut | 210943020003 |
| • Amrut Patange | 210943020007 |
| • Sonali Badgujar | 210943020011 |
| • Siddhesh Themdeo | 210943020095 |

Table of Contents

1. Introduction	1
1.1 Document Purpose.....	1
1.2 Project Background.....	1
1.3 Aim & Objectives.....	1
2. Business Requirements Overview.....	2
3.Functional Requirements.....	2
3.1 User Module	2
3.2 Showroom Module.....	2
3.3 Admin Module	3
4. Non-Functional Requirement.....	3
5. Use Case Diagram.....	4
5.1 Non- Registered User.....	4
5.2 Registered User	5
5.3 Showroom.....	6
5.4 Admin.....	7
6. Database Design.....	8
1 Login	8
2 Customer	8
3 Showroom.....	9
4 Vehicles.....	9
5 Payment.....	11
6 Booking.....	10
7 Cancel	11
7. E-R Diagram.....	12
8. Snapshots.....	13
9. Conclusion	25

List of Figures

Use Case Diagrams	4
Fig 1 Non Registered User	4
Fig 2 Registered User	5
Fig 3 Showroom	6
Fig 4 Admin.....	7
ER Diagram.....	12

1. Introduction:

1.1 Document Purpose:

This document communicates the business requirements and scope for developing Online Bike Booking System. The scope of this document is to define the functional and non-functional requirements, business rules and other constraints requirements.

1.2 Project Background:

At present there is no such computerized system from where one can book bike in advance from specific location, while users/clients can only view various kind of bikes and get to know about any bike's specifications, ex-show room and on-road price over internet. Currently, the user/client having knowledge about bike's specification have to go to showroom to book his bike, which again takes time for further process. Due to high demand for bikes, scooters especially of electric bikes because of petrol price hike there is long waiting period to get delivery of desired bike. Clients have to visit showrooms many times in a while for booking and getting notified about delivery. For booking bike from other city the clients/user needs to travel all the time to the specific location it becomes very hectic as there might be chances of unavailability for booking.

1.3 Aim & Objectives:

- The main objective of this project is to provide a platform for the users to get details about on road prices for different cities and can book their desired bike instantly.
- Here we are proposing a system in which users can book specific bike in few clicks from any available location. Further, in this system user can check details such as full specifications, reviews as well as user can compare between two bikes within same category.
- The major advantage of our system is the user can book the bike and need to visit to showroom for final documentation and delivery.

.

2. Business Requirements Overview:

- Online Bike Booking System is the public web portal.
- In Online Bike Booking System, the main target is currently Maharashtra state.
- There are mainly three types of users, Admin, Showrooms and End users.
- User can search for the bikes available in the location and even the information about the bike such as full specification.
- User can compare for the bike of different brands with same category in price and specification.
- Online Bike Booking System provides the functions which connect the user and the showrooms efficiently.
- Online Bike Booking System could be maintained by Administrator.

3. Functional Requirements Overview:

Online Bike Booking System consists of four modules described as below.

1. User Module
2. Showroom Module
3. Admin Module

3.1 User Module

- User can register and create his own account.
- Online Bike Booking System provides the function which allows user to search the bike information.
- The User could find the pricing in different Showrooms.
- User can compare between same category bikes
- Online Bike Booking System provides the function to book bike in from specific showroom online.

3.2 Showroom Module

- Showroom can request for registrations.
 - Online Bike Booking System provides the function which allows Showrooms to publish their available bike.
 - This System will have a function which notify to showrooms about each bike booking confirmation.
 - Showroom can update prices of bike at any instance depending on price hike/reduce.
 - Showroom can update or notify to client or customers regarding delivery information or status.
-

3.3 Admin Module

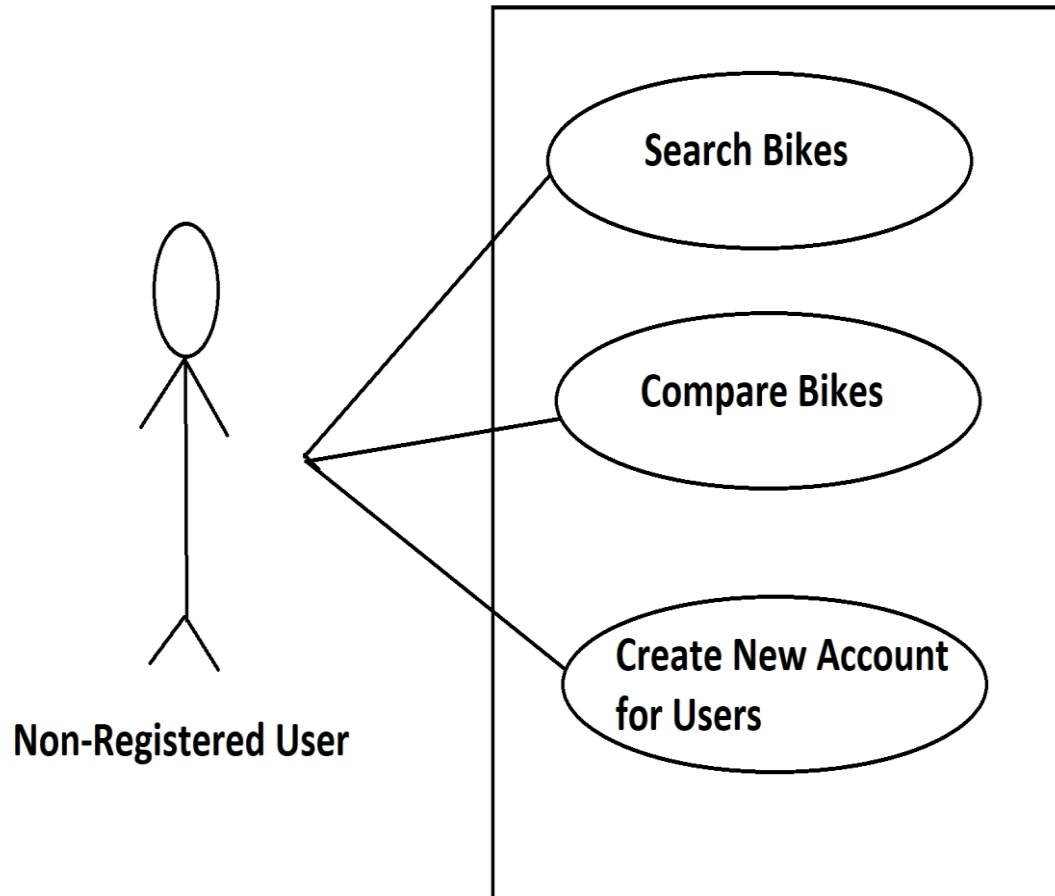
- Online Bike Booking System should provide all function to admin how to handle the System.
- Admin can approve or reject request for new showroom registration.
- Could monitor all the Transaction.
- Admin can generate Periodic reports about sales on weekly or monthly basis.

4. Non-Functional Requirement:

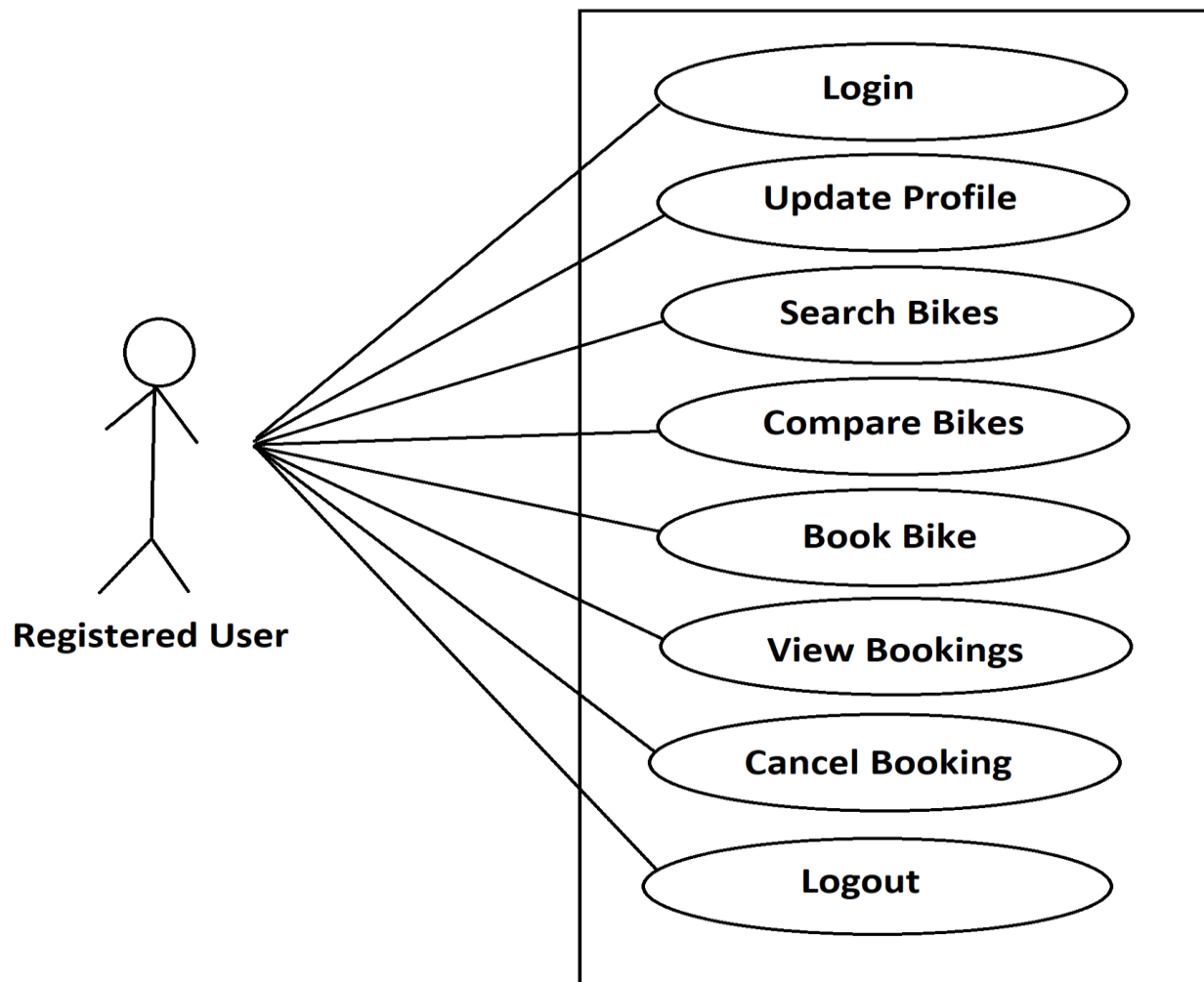
- The website should use professional design, look and feel and color scheme.
 - Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence, we will target the system to support between 5 and 10 million users on launch of phase 1.
 - Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
 - The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.
-

5. Use-Case Diagram

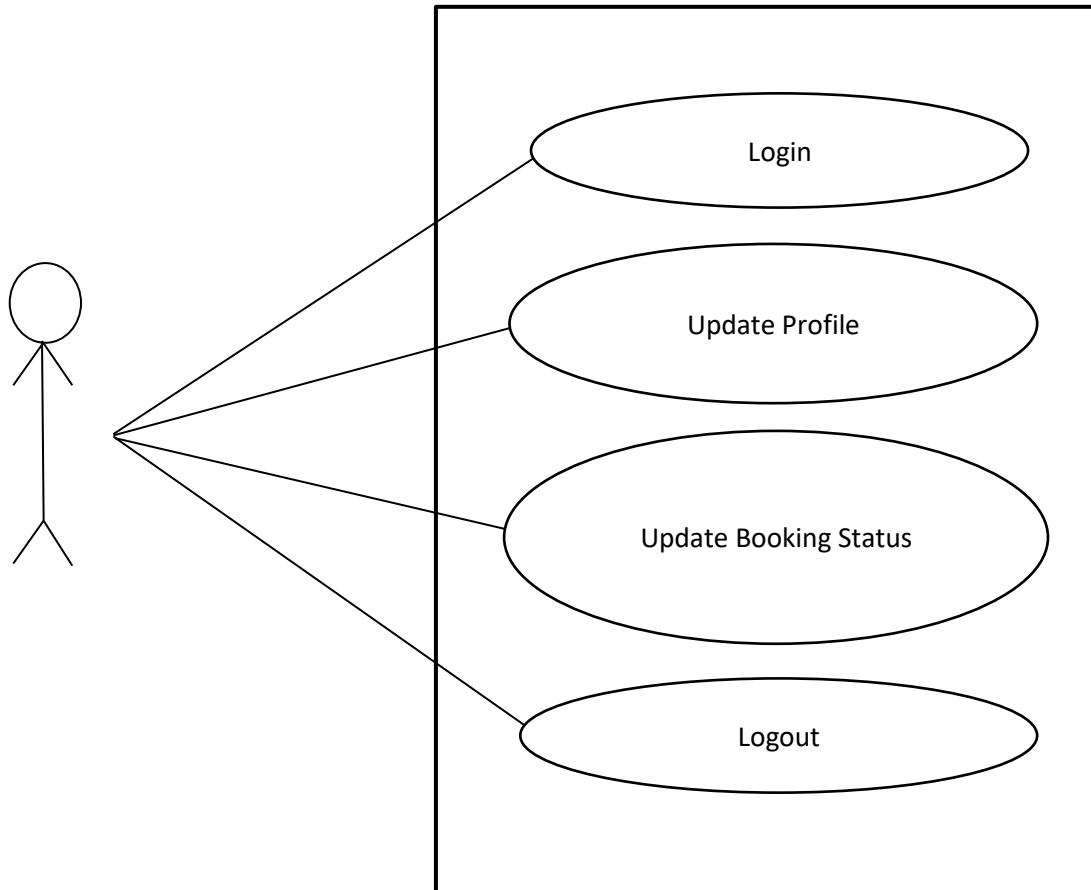
5.1 Non-Registered User:

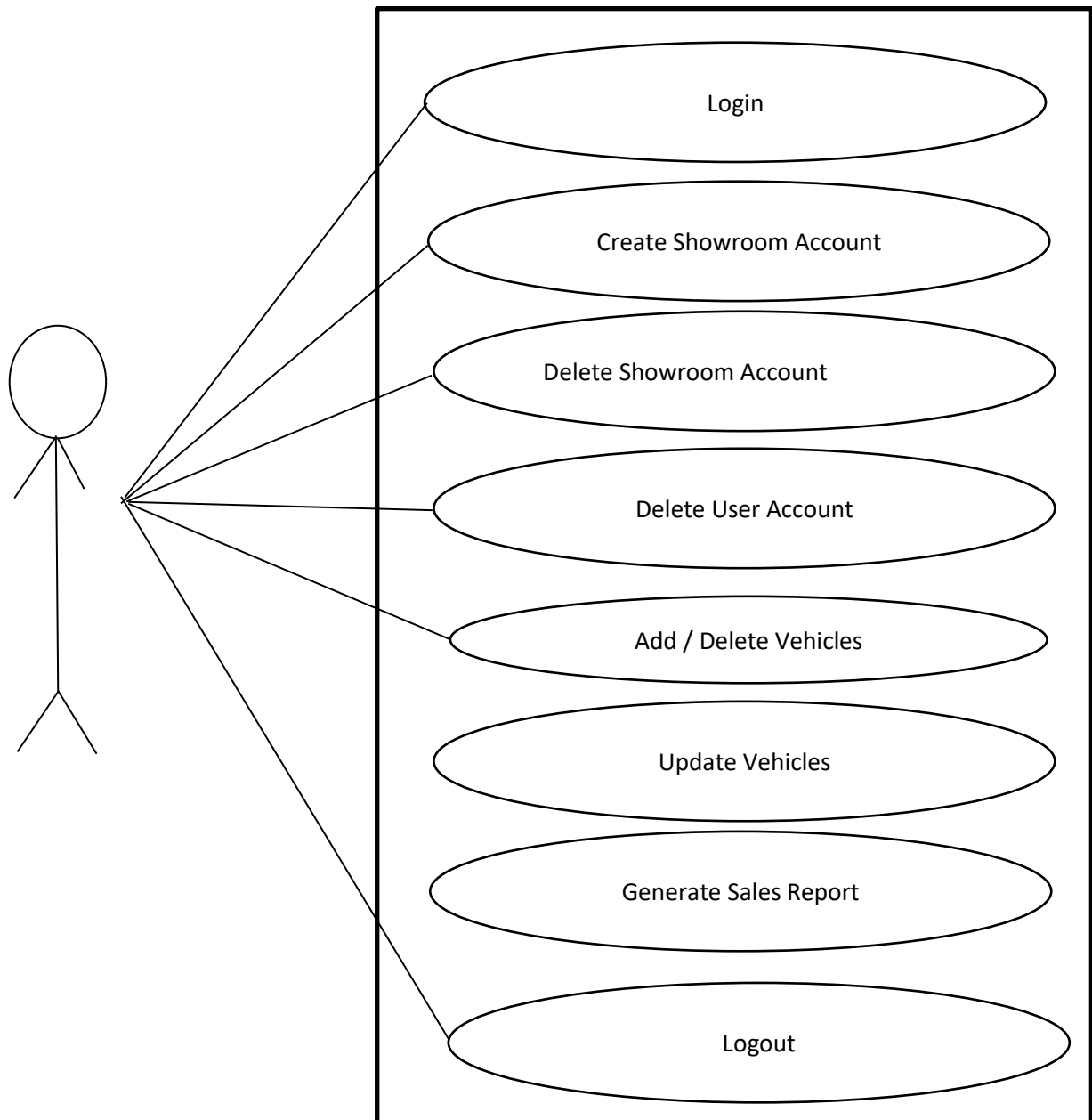


5.2 Registered User:



5.3 Showroom:



5.4 Admin:

6. Database Design:

1] Login Table

Field	Type	Null	Key	Default	Description
loginid	Integer	No	Primary key		Login ID
userid	Varchar(20)	No			Username
pwd	Varchar(15)	No			Password
securityque	Varchar(45)	No			Security Question
ans	Varchar(20)	No			Answer
hint	Varchar(15)	No			Hint
role	Varchar(15)	No		User	Functional Roles
accstate	Integer	No		1	Account Status

2] Customer Table

Field	Type	Null	Key	Default	Description
uid	Integer	No	Primary key		Customer ID
loginid	Integer	No	Foreign key		(References login)
fname	Varchar(15)	No			First Name
lname	Varchar(15)	No			Last Name
email	Varchar(20)	No			Email ID
dob	Date	No			Date of Birth
paddress	Varchar(45)	No			Permanent Address
contact	Varchar(15)	No			Contact Number

3] Showroom Table

Field	Type	Null	Key	Default	Description
swid	Integer	No	Primary key		Showroom ID
loginid	Integer	No	Foreign key		(References login)
swname	Varchar(15)	No			Showroom Name
contact	Varchar(15)	No			Contact Number
email	Varchar(20)	No			Service Email ID
landmark	Varchar(15)	No			Landmark
cityid	Integer	No	Foreign key		(References city)
pincode	Integer	No			Pin code

4] Company Table

Field	Type	Null	Key	Default	Description
companyid	Integer	No	Primary key		Company ID
companyname	Varchar(15)	No			Company Name

5] Category Table

Field	Type	Null	Key	Default	Description
catid	Integer	No	Primary key		Category ID
catname	Varchar(15)	No			Category Name

6] Vehicle Table

Field	Type	Null	Key	Default	Description
vehicleid	Integer	No	Primary key		Vehicle ID
modelname	Varchar(15)	No			Model Name
companyid	Integer	No	Foreign key		Company Name (References company)
xswprice	Double	No			Ex-Showroom Price
catid	Integer	No	Foreign key		Type of Vehicle (References category)

7] Specification Table

Field	Type	Null	Key	Default	Description
vehicleid	Integer	No	Primary key, Foreign key		Vehicle ID
engcap	Varchar(15)	No			Engine Capacity
mileage	Varchar(15)	No			Kilometre per Litre
fuelcap	Varchar(15)	No			Fuel Tank Capacity
emissionstd	Varchar(15)	No			Emission Std. (BS6)
brakesys	Varchar(20)	No			Brake Type Installed
torque	Varchar(20)	No			Twisting Force
fbraketype	Varchar(15)	No			Front Brake Type
rbraketype	Varchar(15)	No			Rear Brake Type
cylinder	Integer	No			No. of Cylinders
killswitch	Boolean	No			Kill Switch (Yes/No)
power	Varchar(15)	No			Power (BHP)
warranty	Integer	No			Manufacture Warranty
kerbweight	Varchar(15)	No			Total Weight
seatheight	Varchar(15)	No			Seat Height
about	Varchar(255)	No			Summary

8] Vehicle Color Table

Field	Type	Null	Key	Default	Description
colorid	Integer	No	Composite key, Foreign key		(References color)
vehicleid	Integer	No	Composite key, Foreign key		(References vehicles)
bikeimg	Varchar(15)	No			Bike Images

9] Color Table

Field	Type	Null	Key	Default	Description
colorid	Integer	No	Primary key		Color ID
colorname	Varchar(15)	No			Color Name

10] City Table

Field	Type	Null	Key	Default	Description
cityid	Integer	No	Primary key		City ID
cityname	Varchar(15)	No			City Name
tax	Float	No			RTO Tax

11] Payment Table

Field	Type	Null	Key	Default	Description
trid	Integer	No	Primary key		Transaction ID
amt	Double	No			Amount
paymode	Varchar(15)	No		Online	Mode of Payment
bookingid	Integer	No	Foreign key		(References bookings)

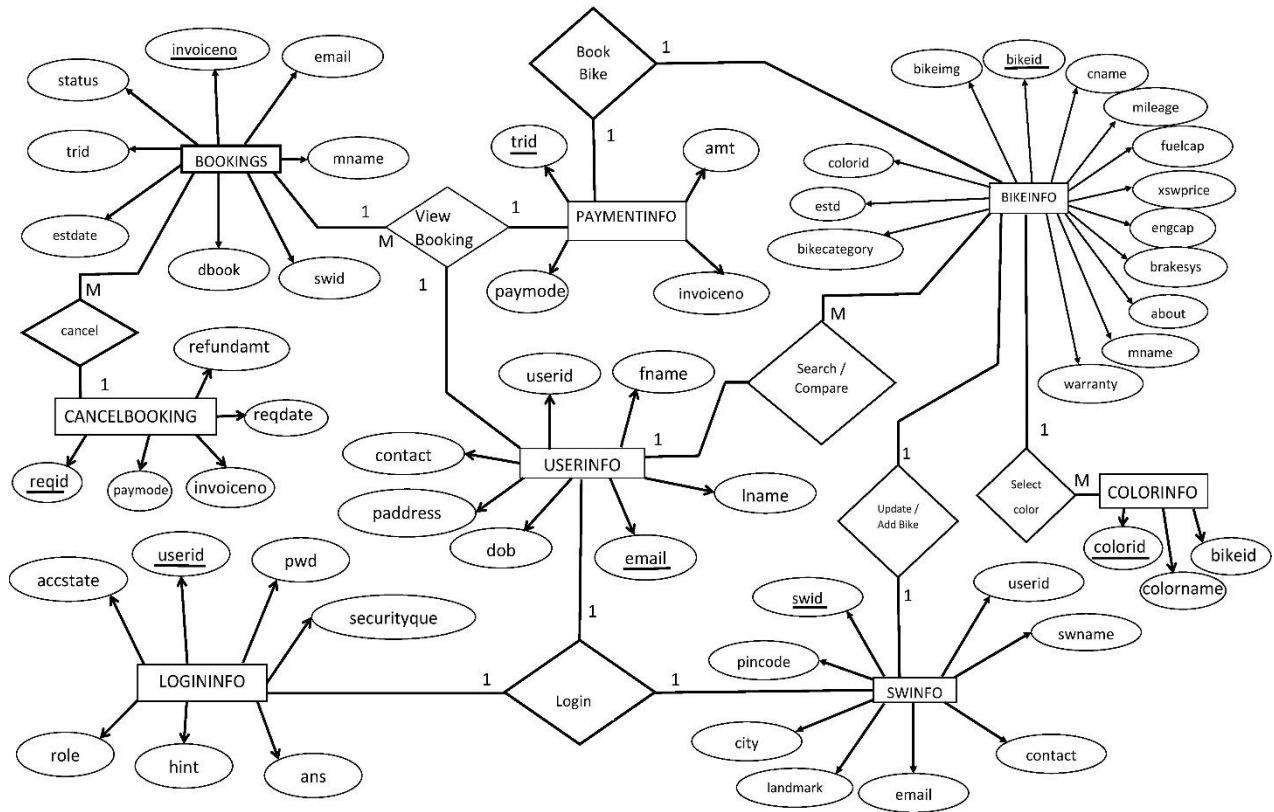
12] Bookings Table

Field	Type	Null	Key	Default	Description
bookingid	Integer	No	Primary key		Booking ID
uid	Integer	No	Foreign key		(References customer)
vehicleid	Integer	No	Foreign key		(References vehicles)
swid	Integer	No	Foreign key		(References showroom)
dbook	Date	No			Date of Booking
trid	Integer	No	Foreign key		(References payment)
status	Varchar(15)	No			Booking Status

13] Cancel Booking Table

Field	Type	Null	Key	Default	Description
reqid	Integer	No	Primary key		Request ID
refundamt	Double	No			Refund Amount
paymode	Varchar(15)	No		Online	Mode of Payment
bookingid	Integer	No	Foreign key		(References bookings)
reqdate	Date	No			Cancel Request Date
reason	Varchar(45)	No			Reason for Cancellation

7. ER-Diagram:

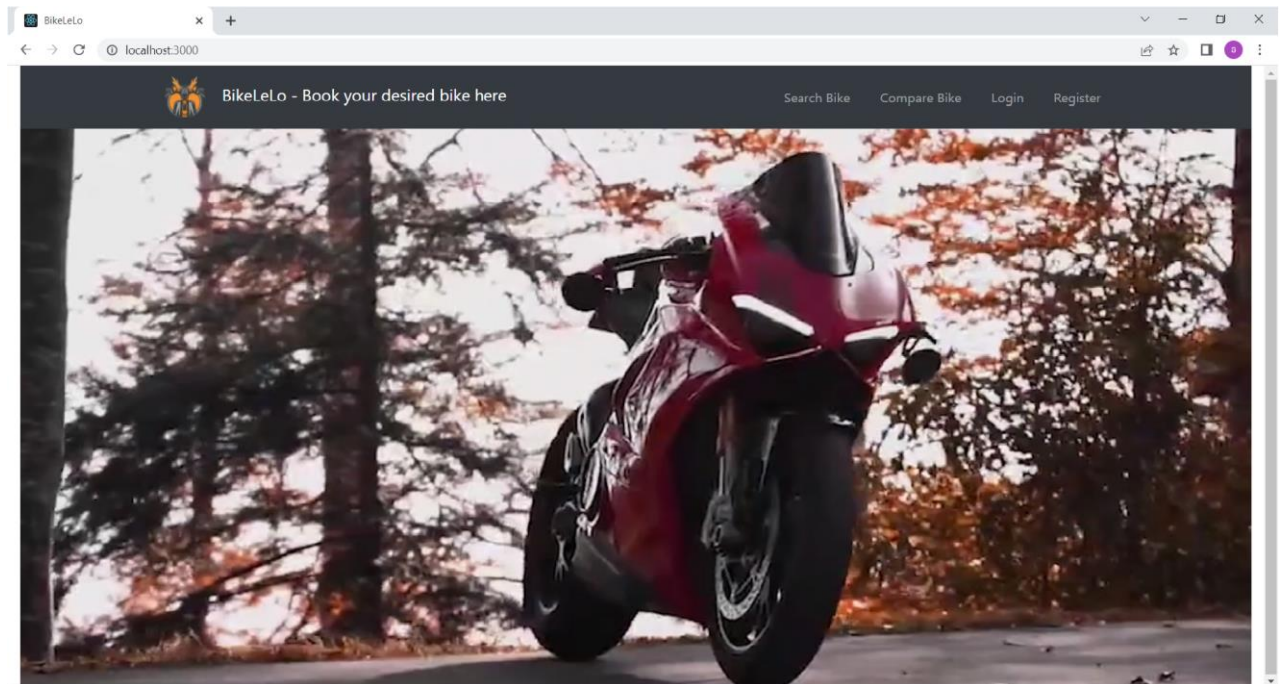


E-R diagram shows database of Online Bike Booking System

8. Snapshots:

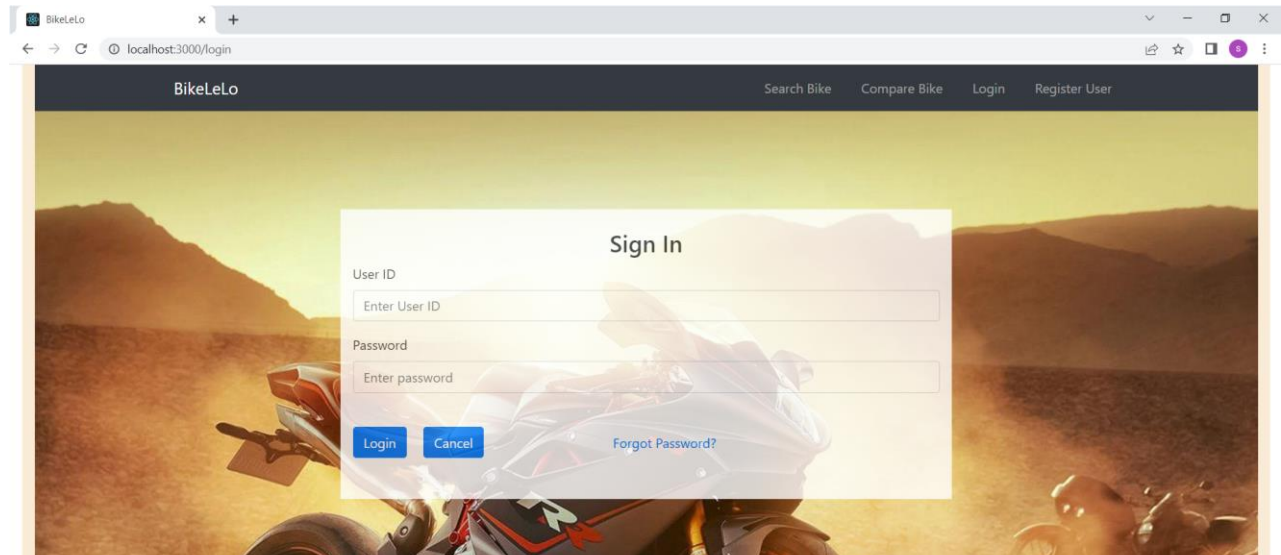
8.1 Home Page:

Following snapshot shows the Home page for Online Car And Bike Rental System



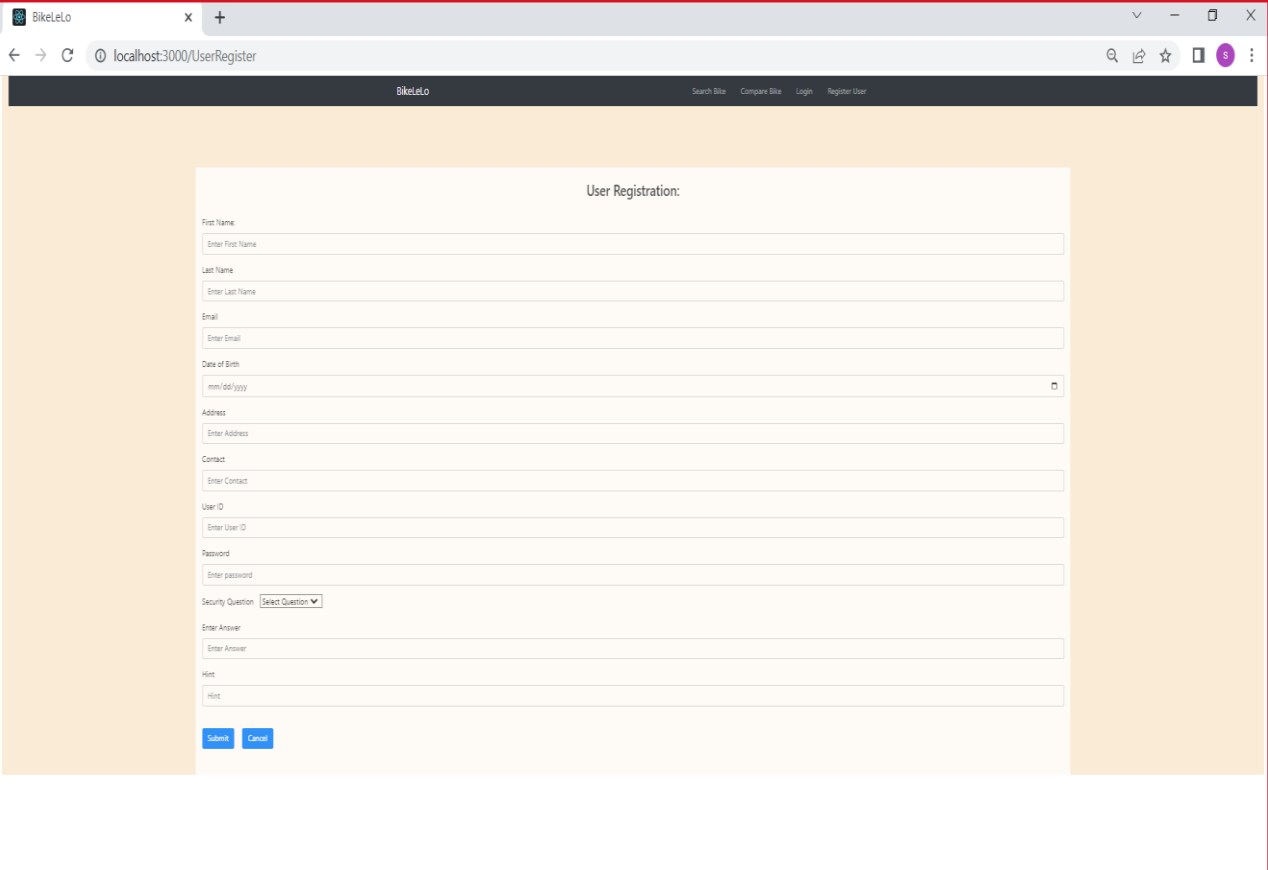
8.2 Login Page

Following snapshot shows the Login page for Online Bike Booking System
Login Page for User, Showrooms and Admin is same.



8.3 User

8.3.1 User Registration Page

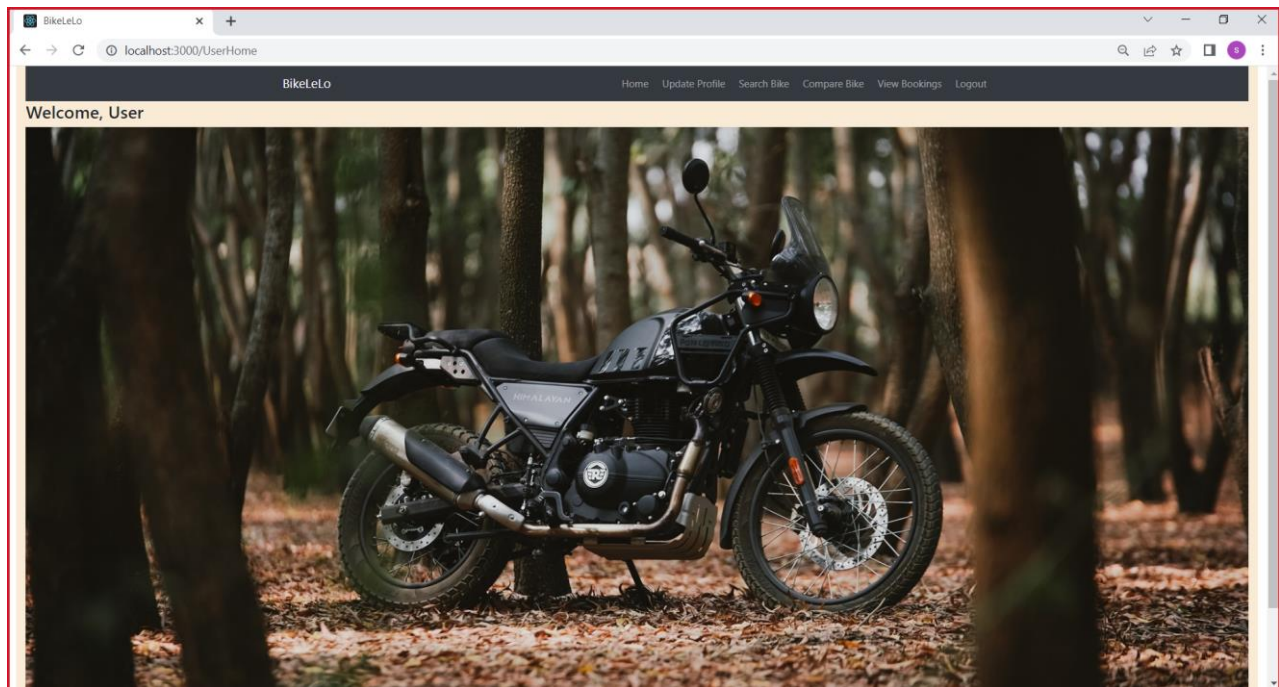


The screenshot shows a web browser window with the address bar displaying "localhost:3000/UserRegister". The page title is "BikeLeLo". The navigation bar includes links for "Search Bike", "Compare Bike", "Login", and "Register User". The main content area is titled "User Registration:" and contains a form with the following fields:

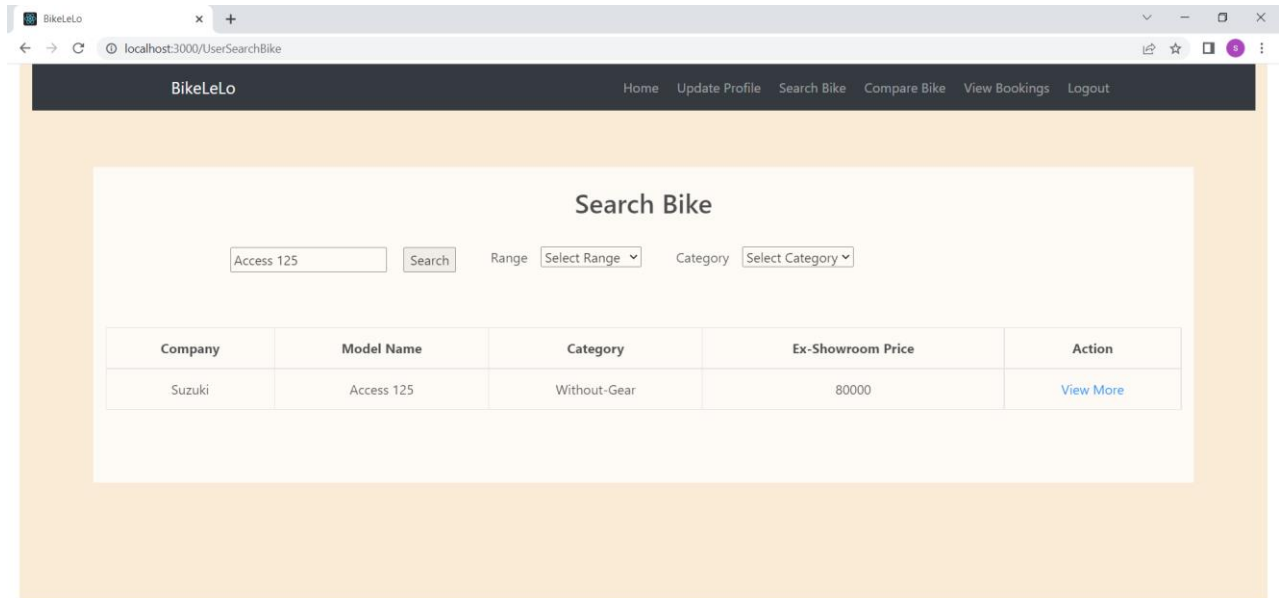
- First Name:
- Last Name:
- Email:
- Date of Birth:
- Address:
- Contact:
- User ID:
- Password:
- Security Question:
- Enter Answer:
- Hint:

At the bottom of the form are two buttons: "Submit" and "Cancel".

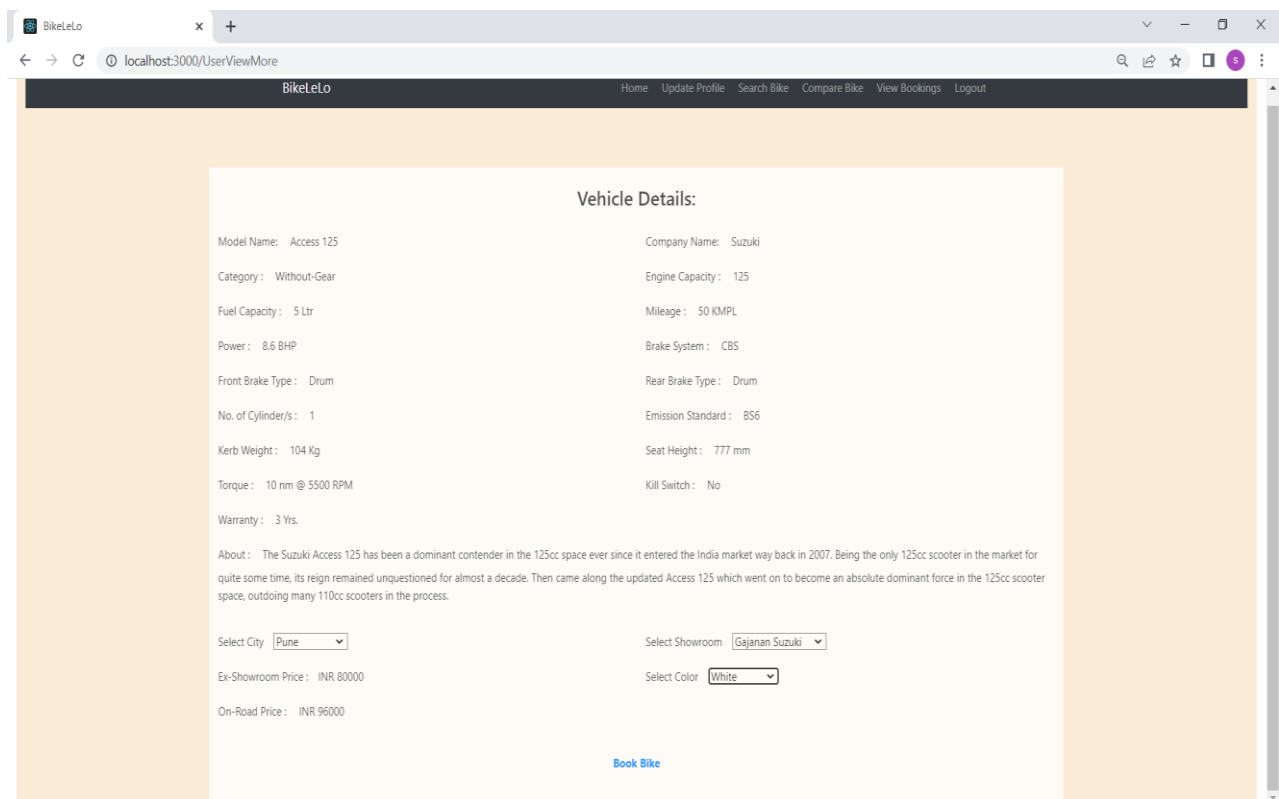
8.3.2 Home Page



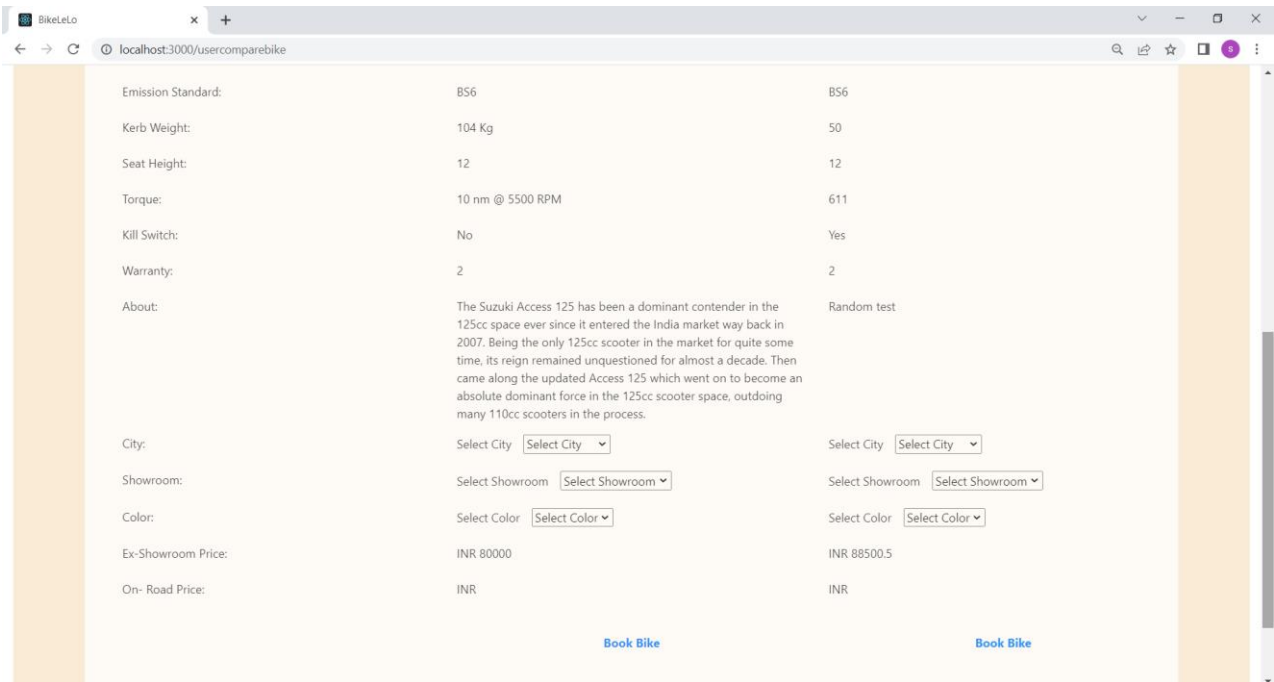
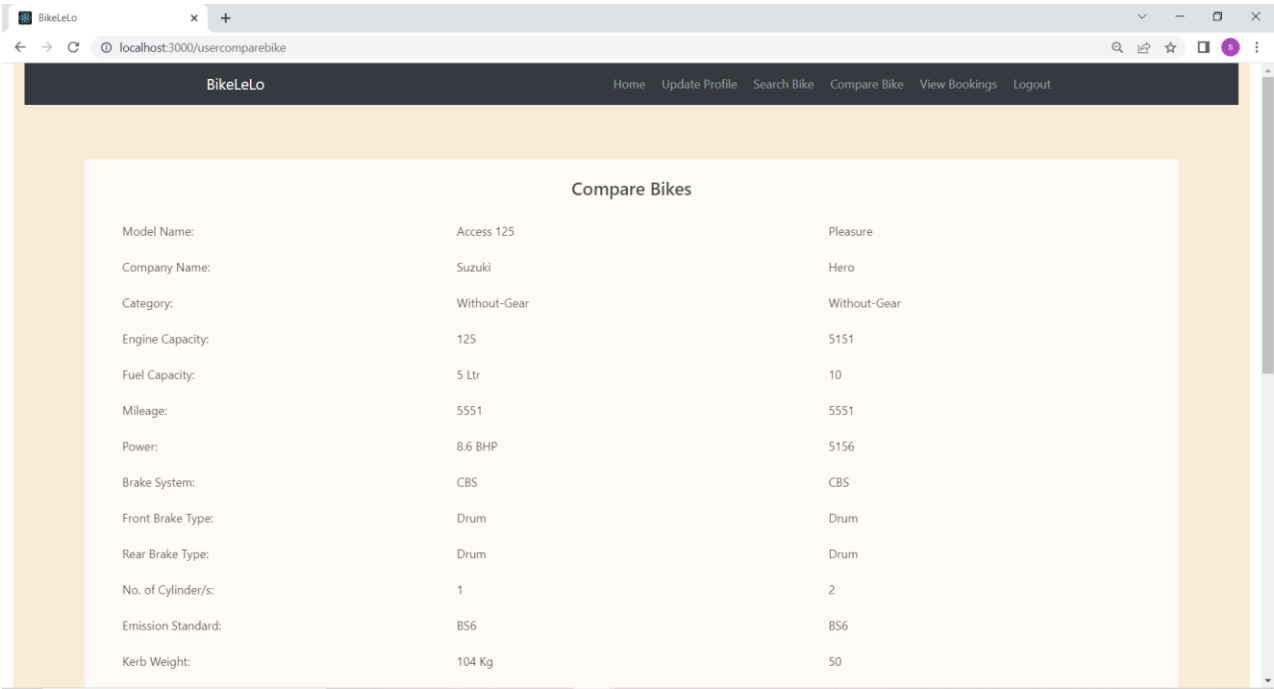
8.3.3 Search Bike Page



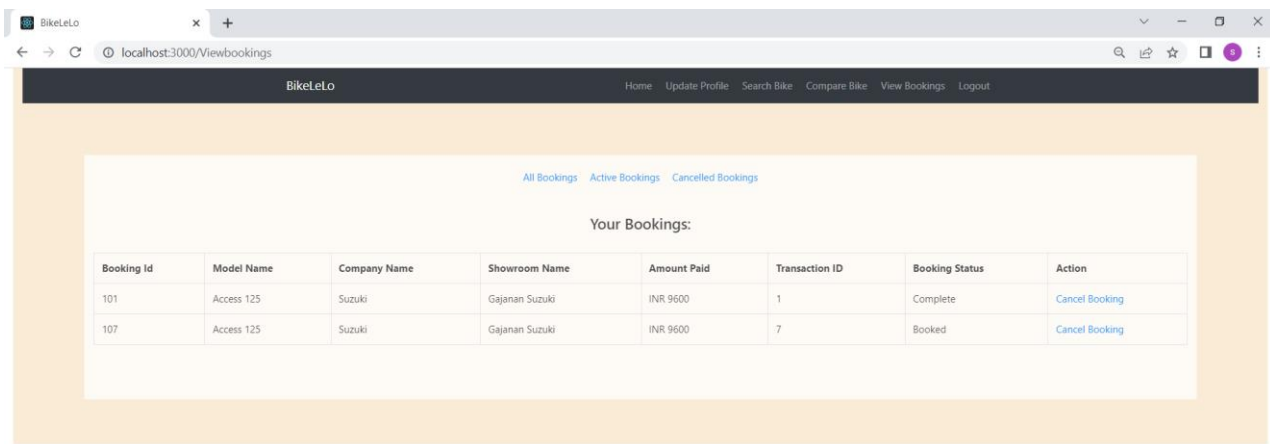
8.3.4 Bike Specifications :



8.3.5 Compare Bike Page

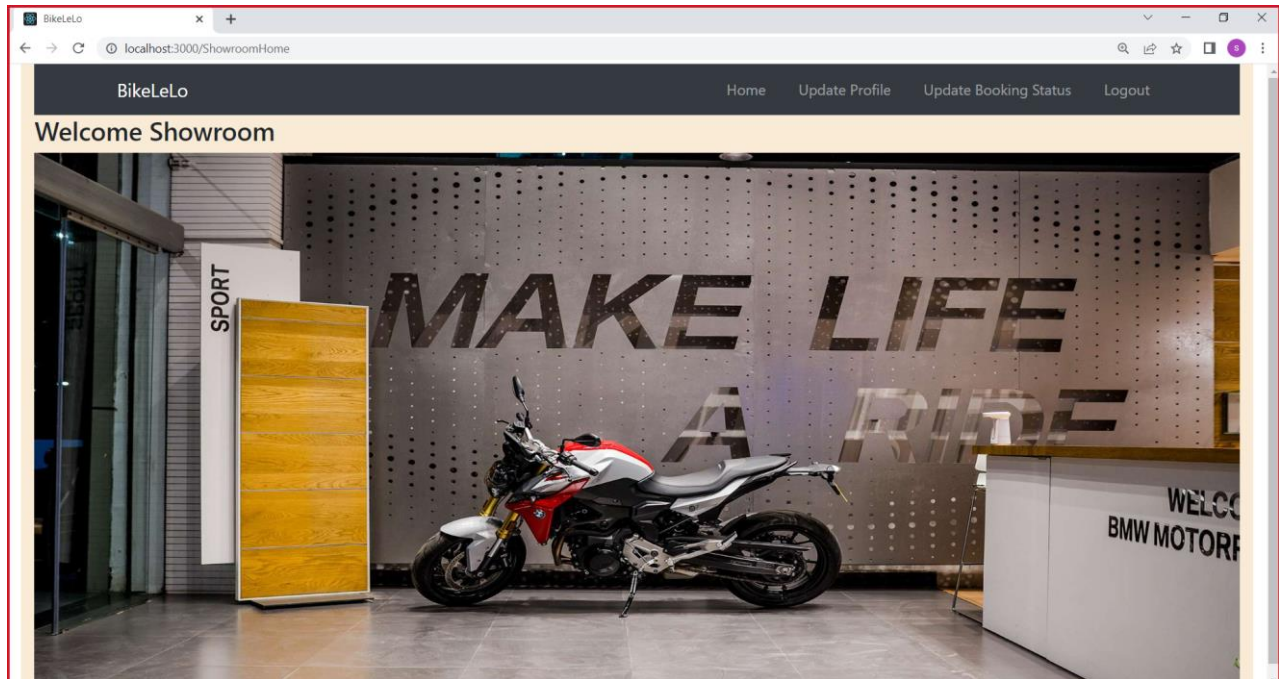


8.3.6 Booking Page



8.4 Showroom Page

8.4.1 Home Page



8.4.2 All Bookings :

The screenshot shows the 'BikeLeLo' website's 'All Bookings' page. The browser address bar indicates the URL is 'localhost:3000/updatelstatus'. The page features a dark navigation bar with the 'BikeLeLo' logo and links for 'Home', 'Update Profile', 'Update Booking Status', and 'Logout'. Below the navigation bar, the page title 'All Bookings' is displayed. The main content area is titled 'Bookings Details:' and contains a table with the following data:

Booking Id	Customer Name	Model Name	Color	Date of Booking	Transaction ID	Amount Paid	Status	Action
101	Siddhesh Themdeo		Red	2022-10-03	1	INR 9600	Complete	Edit
102	Siddhesh Themdeo		Black	2022-04-11	2	INR 9600	Cancelled	Edit
103	Siddhesh Themdeo		White	2022-04-11	3	INR 9600	Cancelled	Edit
104	Siddhesh Themdeo		Green	2022-04-11	4	INR 9600	Cancelled	Edit
106	Sonali Badgajar		Blue	2022-04-11	6	INR 9600	Complete	Edit
107	Siddhesh Themdeo		White	2022-04-12	7	INR 9600	Booked	Edit

8.4.3 Update Booking Status :

BikeLeLo

Home Update Profile Update Booking Status Logout

Booking Details:

Booking Id : 107

User ID : Siddhesh

Vehicle Id :

Showroom : Gajanan Suzuki

Date of Booking : 2022-04-12

Transaction id : 7

Update Status

8.4.4 Update Profile :

BikeLeLo

Home Update Profile Update Booking Status Logout

[Change Password](#)

Showroom Details Update:

Showroom Name: Gajanan Suzuki

Showroom Contact No

Enter Contact

Showroom Email

9@gmail.com

Address: Anand Nagar, Wadgaon Sheri, Pune, Landmark: Near Phoenix Mall

Pincode: 411016

City: Pune

Showroom userid: Gajanan

Security Question

Answer

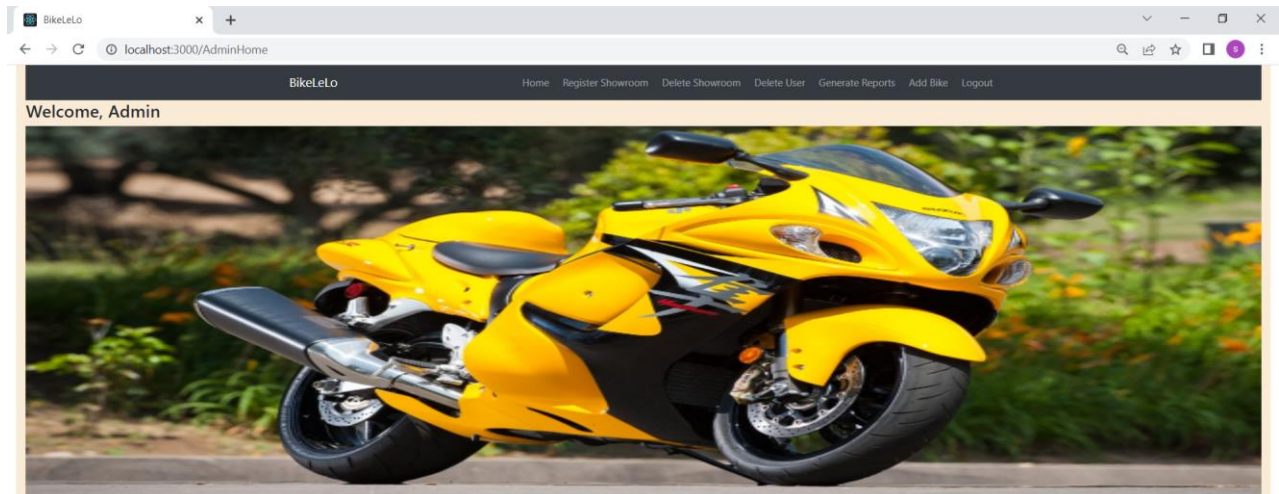
Maruti

Hint

Maruti

8.5 Admin Page

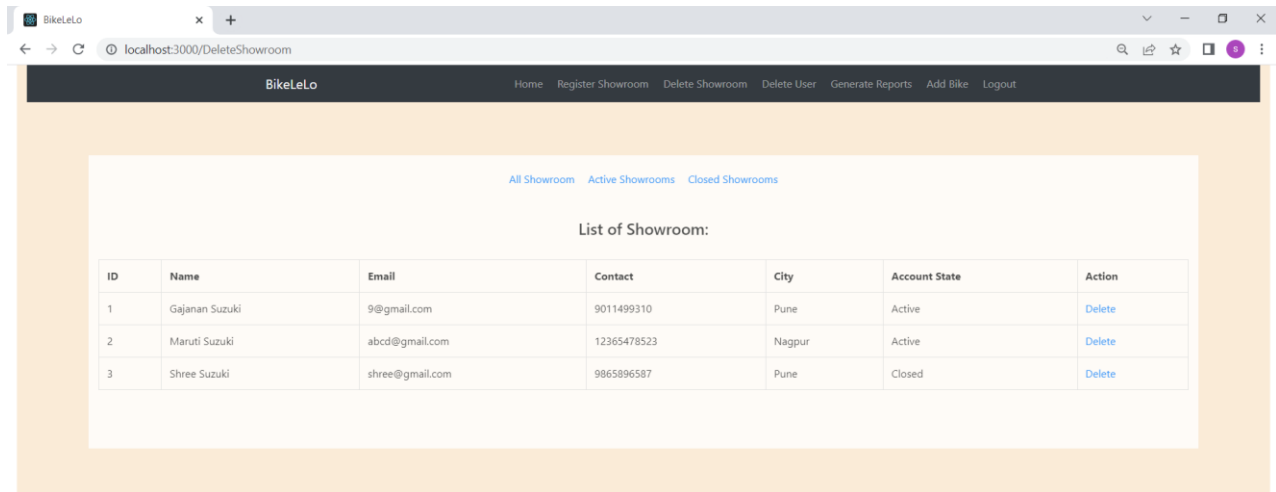
8.5.1 Home Page :



8.5.2 Showroom Registration :

A screenshot of a web browser displaying the 'BikeLeLo' Showroom Registration form. The browser's address bar shows 'localhost:3000/ShowroomRegister'. The page has a light orange background. The form is titled 'Showroom Registration' and contains the following fields: 'Showroom Name' (text input), 'Showroom Contact No' (text input), 'Showroom Email' (text input), 'Address' (text input), 'Pincode' (text input), 'City' (dropdown menu with 'Select City' selected), 'Showroom userid' (text input), 'Password' (text input), 'Security Question' (dropdown menu with 'Select Question' selected), 'Answer' (text input), and 'Hint' (text input). At the bottom of the form, there are two buttons: 'Submit' and 'Cancel'.

8.5.3 All Showrooms :



BikeLeLo

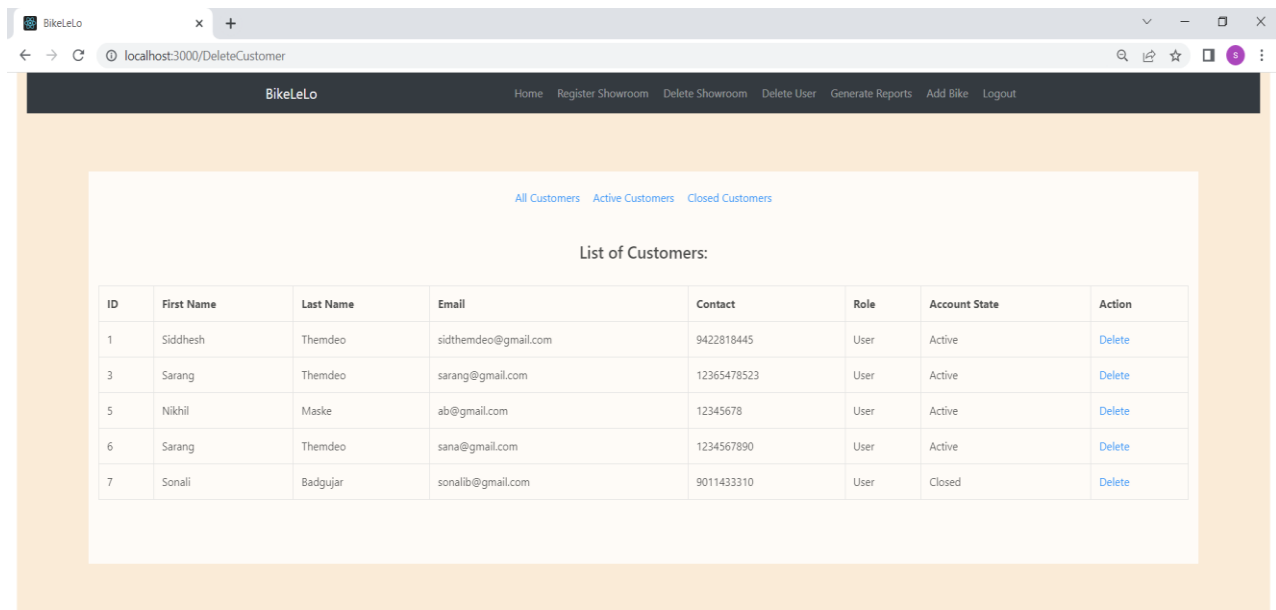
Home Register Showroom Delete Showroom Delete User Generate Reports Add Bike Logout

[All Showroom](#) [Active Showrooms](#) [Closed Showrooms](#)

List of Showroom:

ID	Name	Email	Contact	City	Account State	Action
1	Gajanan Suzuki	9@gmail.com	9011499310	Pune	Active	Delete
2	Maruti Suzuki	abcd@gmail.com	12365478523	Nagpur	Active	Delete
3	Shree Suzuki	shree@gmail.com	9865896587	Pune	Closed	Delete

8.5.4 All Users :



BikeLeLo

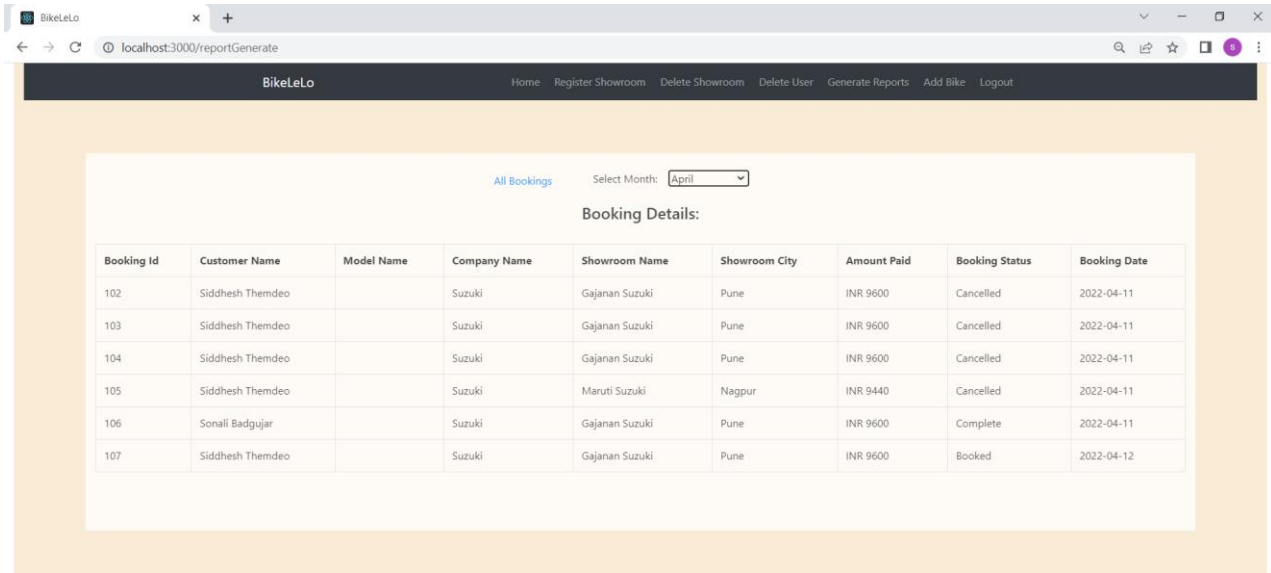
Home Register Showroom Delete Showroom Delete User Generate Reports Add Bike Logout

[All Customers](#) [Active Customers](#) [Closed Customers](#)

List of Customers:

ID	First Name	Last Name	Email	Contact	Role	Account State	Action
1	Siddhesh	Themdeo	sidthemdeo@gmail.com	9422818445	User	Active	Delete
3	Sarang	Themdeo	sarang@gmail.com	12365478523	User	Active	Delete
5	Nikhil	Maske	ab@gmail.com	12345678	User	Active	Delete
6	Sarang	Themdeo	sana@gmail.com	1234567890	User	Active	Delete
7	Sonali	Badgujar	sonalib@gmail.com	9011433310	User	Closed	Delete

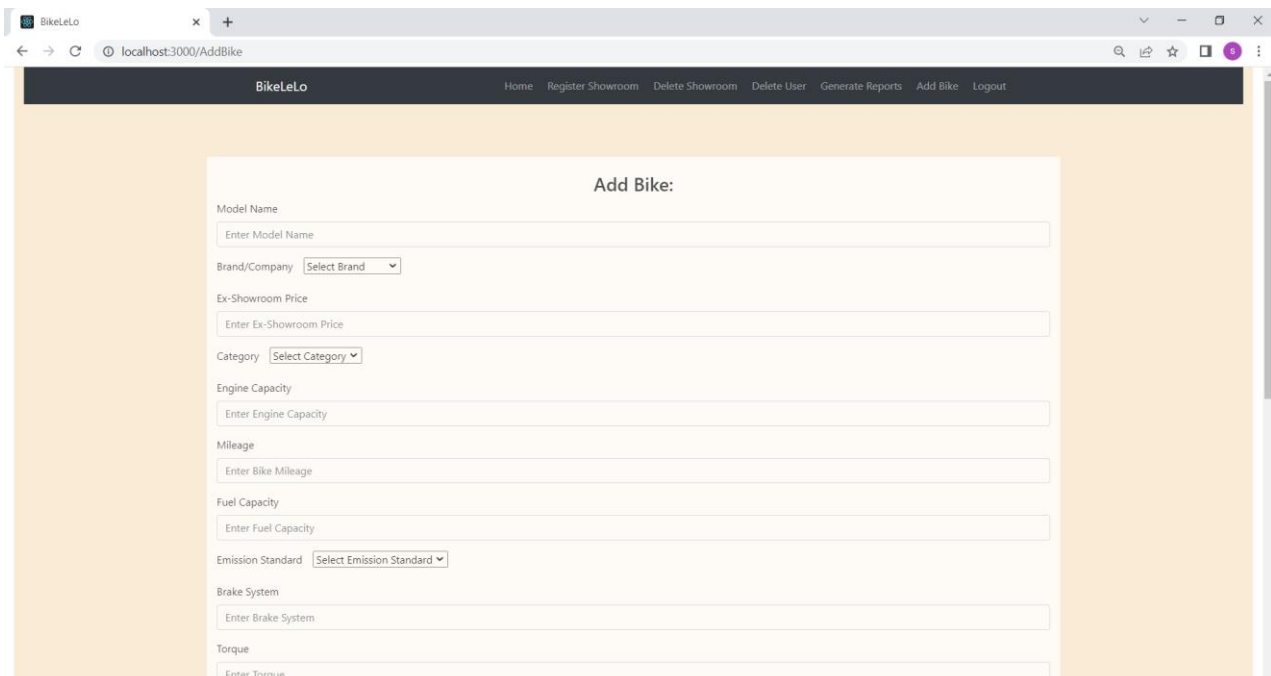
8.5.5 Generate Monthly Report :



The screenshot displays the 'Generate Monthly Report' page in the BikeLeLo application. The page features a navigation bar with links: Home, Register Showroom, Delete Showroom, Delete User, Generate Reports, Add Bike, and Logout. The main content area is titled 'Booking Details:' and includes a 'Select Month' dropdown menu set to 'April'. Below the dropdown is a table with the following data:

Booking Id	Customer Name	Model Name	Company Name	Showroom Name	Showroom City	Amount Paid	Booking Status	Booking Date
102	Siddhesh Themdeo		Suzuki	Gajanan Suzuki	Pune	INR 9600	Cancelled	2022-04-11
103	Siddhesh Themdeo		Suzuki	Gajanan Suzuki	Pune	INR 9600	Cancelled	2022-04-11
104	Siddhesh Themdeo		Suzuki	Gajanan Suzuki	Pune	INR 9600	Cancelled	2022-04-11
105	Siddhesh Themdeo		Suzuki	Maruti Suzuki	Nagpur	INR 9440	Cancelled	2022-04-11
106	Sonali Badgujar		Suzuki	Gajanan Suzuki	Pune	INR 9600	Complete	2022-04-11
107	Siddhesh Themdeo		Suzuki	Gajanan Suzuki	Pune	INR 9600	Booked	2022-04-12

8.5.6 Add Bike :



The screenshot displays the 'Add Bike' page in the BikeLeLo application. The page features a navigation bar with links: Home, Register Showroom, Delete Showroom, Delete User, Generate Reports, Add Bike, and Logout. The main content area is titled 'Add Bike:' and contains a form with the following fields:

- Model Name: Enter Model Name
- Brand/Company: Select Brand
- Ex-Showroom Price: Enter Ex-Showroom Price
- Category: Select Category
- Engine Capacity: Enter Engine Capacity
- Mileage: Enter Bike Mileage
- Fuel Capacity: Enter Fuel Capacity
- Emission Standard: Select Emission Standard
- Brake System: Enter Brake System
- Torque: Enter Torque

9. CONCLUSION AND FUTURE SCOPE

Online Bike Booking System provides better Bike booking platform to User and Showroom can get the business for their vehicle efficiently.

Our System provides a very user-friendly platform where User can easily search & compare the Bike, Book the Bike, see the booking and Make payment for bike booking also Showroom will Register the bikes, See the bike booking and showroom can also delete the register vehicle.

Our system is aimed efficient management of various tasks like booking the bike for User on daily basis, managing payment for booking, adding the bike. Monitor daily Booking along with managing all the Account and information on a single platform.
