ONLINE CAR SHOWROOM MANEGEMENT SYSTEM

A project submitted to

UKA TARSADIA UNIVERSITY

In partial fulfilment of the requirements for the degree of

Bachelor of Science

In

Information Technology

For

5 Years Integrated M.Sc. (IT)

By

VENIL KUKADIYA (2019061001110072) **BHARAT GHADIYA** (2019061001110077)

Guided by

Mr. HARDIK VYAS Assistant professor



Babu Madhav Institute of Information Technology Uka Tarsadia University Bardoli – 394350 December 2020



This is to certify that **Bharat Ghadiya**[201906100110077] **AND Venil Kukadiya**[201906100110072] has submitted project entitled **Online Car ShowRoom Management System** as the partial fulfillment for the award of the degree of Bachelor of Science in Information Technology for 5 Years Integrated M.Sc.(IT) in 2020 – 2021.

Date:

Place:

Hardik Vyas

Guide

Dr. Jitendra Nasriwala

Programme Coordinator,

External Examiner



Babu Madhav Institute of Information Technology,
Uka Tarsadia University,

Babu Madhav Institute of Information Technology, Uka Tarsadia University, $Bardoli \, _ \, 394350$

This is to certify that Brarat Ghadiya and Venil Kukadiya has submitted project entitled "Project Title" As the partial fulfilment for the award of the degree of Bachelor of Science in Information Technology For 5 Years Integrated M.Sc.(IT) In 2020 – 2021.

Date:

Place:

Mr. Hardik Vyas

Dr. Jitendra Jariwala

Guide Program Coordinator

External Examiner



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■ Introduction

1. Problem Definition

Current manual system requires paperwork and personal interaction to manage the car showroom. In such case the maintainability of records is difficult. Updating a record becomes complex and tedious. Moreover, the files are prone to unauthorized modifications. The documents might even get lost when stored on paper. The physical files occupy much space. Analysis of profit and loss as well as growth of the business is difficult.

Car showroom management System provides various functionalities which would help small and medium new car selling business. In era of Modernization people do not have time for visit a show-room to purchase a new car. Sometimes buy a new car is not an easy task, it takes precious time of buyer to select their dream car. Buyer have to go at show room to get knowledge about all feature of particular car. Our system surely able to solve all the problem facing by the customer at home only.

2. Initial Requirement Document.

Title of Project	Online Car Showroom Management System
Stakeholders involved in capturing requirements	Owner, Staff

Techniques used for Requirements Capturing		Brainstorming ,Interviewing		
Name of people along with Designation		(Owner) Mr. Rakesh Savani (Manager)Mr. Suresh Surani		
Date		November, 2021		
Versi	on	1.0		
Cons	Consolidated list of Initial requirements:			
1.	Users shall be able to Register in the application.			
2.	Users shall be able to Login into the application with proper authentication.			
3.	Users shall be able to reset password.			
4.	Users shall be able to manage their profile.			
5.	Users shall be able to view car details but not be able to book a car or take test drive without login			
6.	Users shall be able to view cars and their details.			

7.	User shall be able to book a car.
/.	User shall be able to book a car.
8.	Users shall be able to pay an amount to token.
9.	User shall be able to give feedback.
10.	User shall be able to view status of booking and test drives.
11.	Admin shall be able to Login Into the application.
12.	A during shall be able to manage and dataile including notes
12.	Admin shall be able to manage car details including rates.
13.	Admin shall be able to Manage clashing of Appointment and test drive.
1.4	
14.	Admin shall be able to manage staff.
15.	Admin shall be able to manage offers and discounts.
15.	Admini shan be able to manage oriers and discounts.
16.	Admin shall be able to view customer details and previous record of booking and test drives.
	F
17.	Admin shall be able to view and replay feedback.
18.	Admin shall be able to view report.
18.	Application should have about us and contact us pages.
26	
20.	Application shall be able to store encrypted passwords.

21.	Application shall be able to notify admin when user take appointment for car booking or test drive.
22.	Admin shall be able to manage appointments.
23.	Application shall be able to generate reports like 1. Details Of All Bookings
	Day-wiseMonth wiseCar wise

1.3 Project Objective

- Car showroom system is develop to provide reliability and comfort for select your dream car.
- The main purpose of this Online Car Showroom management system is that it provides provision to customers to book cars through online. The current system is offline system, in this to purchase cars the customer should visit to showroom. So this current system is very difficult because its time consuming. So our project aims at creating an web application which tracks Customer records, Online booking, Online car records, etc. and it

provides easy to use web based interface for customers where customers can search for cars, view a complete details, models, features, pricing of the vehicles and book the cars.

1.4 Product Scope

- Website is usable in any browser.
- Only authenticated and authorized users shall be able to access our application.
- Our application is available for particular city and provides the all details of car.

Overall Description

3. Product Perspective/ Environment Description

Software requirement at development side.

Туре	Web-Application
Front-End	HTML,CSS,Bootstrap,JavaScript
Back-End	MySQL Server, PHP ,JavaScript

Hardware requirement at Development Side.

Processor	Intel Core i5 7 th gen Processor
RAM	8GB
OS	Windows 10
HARD-DISK	256gb SSD
IDE	NetBeans

• System Planning 3.1 Software

Engineering model

□ Definition: The spiral model is similar to the incremental development for a system, with more emphasis placed on risk analysis. The spiral model has four phases: Planning, Design, Construct and Evaluation. A software project repeatedly passes through these phases in iterations (called Spirals in this model).

Spiral Model - Design

The spiral model has four phases. A software project repeatedly passes through these phases in iterations called Spirals.

• System Specific Requirements

4.1 Functional Requirement

4.1.1 Registration

RN	Description	Comment
FN1	User can register to the system by providing Information.	Registration_Form
FN2	If user already have an account then they can login directly.	Login_Form

4.1.2 Manage Login

RN	Description	Comment
FN1	The Login Screen allows user to login into the system and get access of all the features.	Login_Form

FN2	If User forgot the password then he/she can	Login_Form
	change the password.	
FN3	Admin can login via user name and password	Login_Form

4.1.3 Manage Details

RN	Description	Comment
FN1	After successful registration user can manage the profile.	Profile Page
FN2	Admin shell be able to add new user.	User_Details_Form
FN3	Admin shell be able to view the details of any user.	Tbl user

4.1.4 Manage Appointments,

RN	Description	Comment
FN1	User shall be able to take appointment of test drive.	Car_Detail
FN2	Admin can view who have book appointment for test drive	Dashboard
FN3	Admin can view number of members who have a complete their test drive.	Dashboard

4.1.6 Manage staff

RN	Description	Comment
FN1	Admin shall be able to add and update staff and their details.	Dashboard

4.1.7 Manage report

RN	Description	Comment
FN1	Admin shall be able to generate report about car sell as day wise, week wise and year wise as well.	Report
FN2	Admin shall be able generate report of previous booking and test drives taken by customer	Report

4.1.8 Manage feedback

RN	Description	Comment
FN1	Admin shall be able to view all feedback	Dashboard
FN2	User shall be able to give feedback.	feedback
FN3	Admin shall be able to reply to feedback	Dashboard

4.1.7 Manage car

RN	Description	Comment
FN1	Admin shall be able to manage cars and their details.	Dashboard

FN2	Admin shall be able deactivate car which is not	Dashboard
	available.	

4.1.7 Manage discount and offers

RN	Description	Comment
FN1	Admin shall be able to manage offers and discount.	Dashboard
FN2	User shall be able to view discounts and offers and use it.	Home_page

4.2 non-Functional Requirement.

4.2.1 SECURITY:

Password shall never be viewable at the point of the entry. Customer shall not modify payment value.

4.2.2 ACCESSBILITY:

Only Authenticate person can access the system.

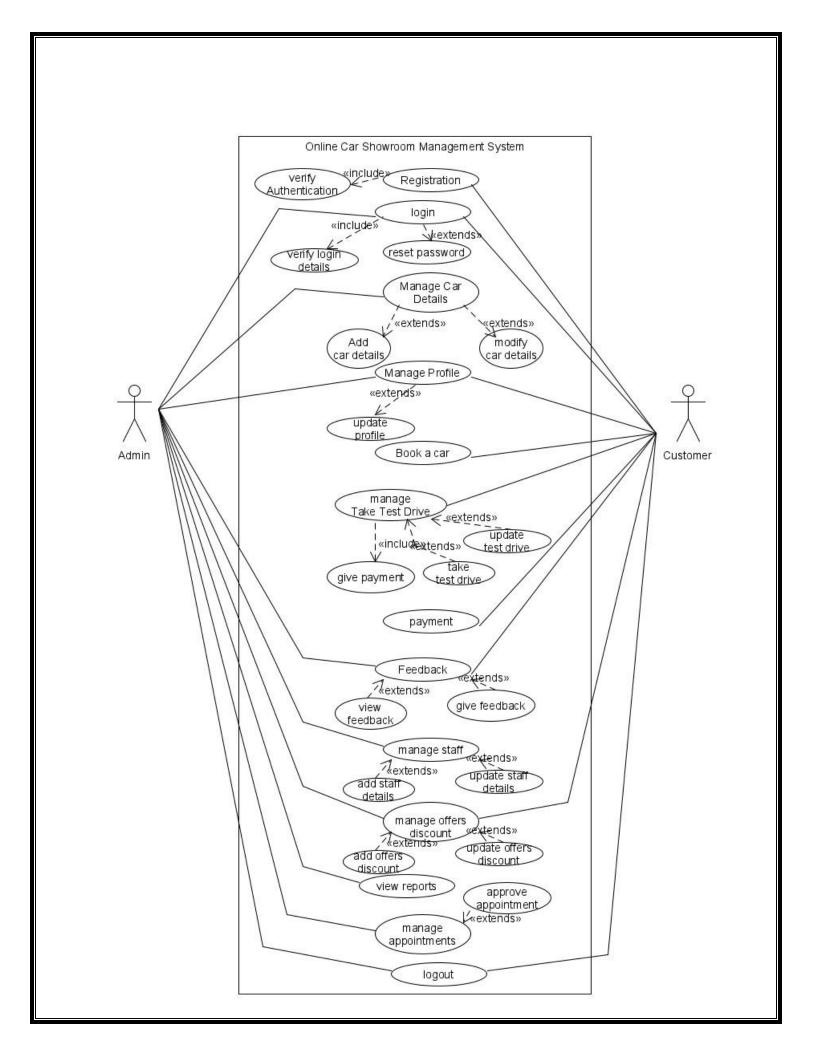
4.2.3 INTEGRITY:

All data and payment method is accurate and works without system failure.

4.2.4 SAFETY:

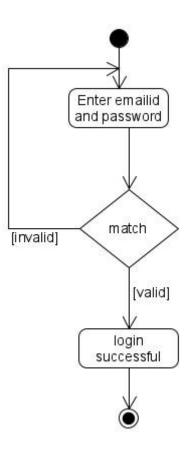
All user's data and profile shall be seen by them only.

Systen	n Analysis		
5.1 Uso	e case Diagram		

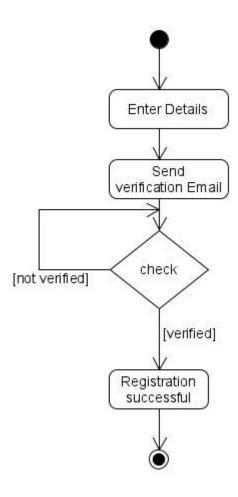


5.2 Activity Diagram

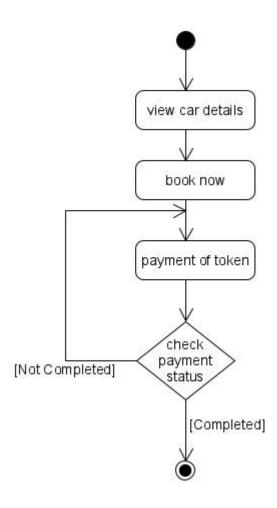
• Login



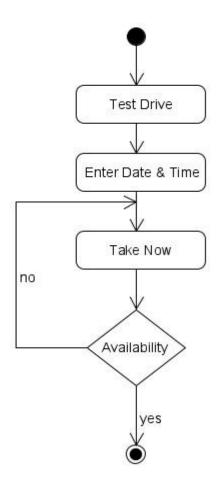
• Registration



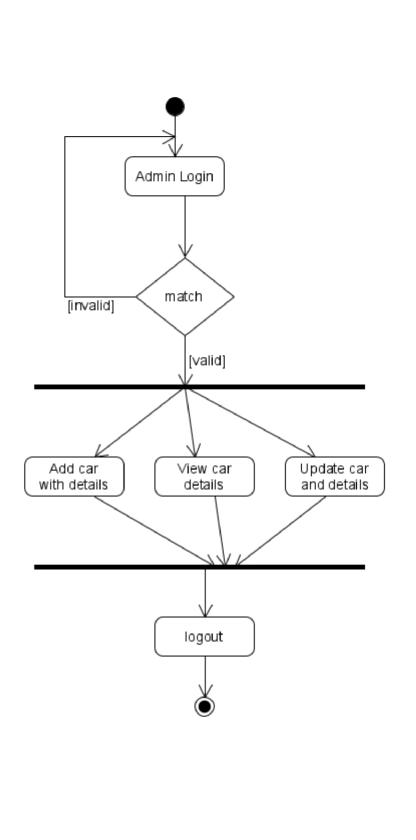
• Booking



☐ Test Drive



☐ Manage car availability



• System Design

6.1 Database Schema

tbl_User							
Uid[PK]	First_name	Middle_name	Last_name	Address	Email	Contactno	password
image	date						

tbl_Cardetails							
Car_id[PK]	Car_name	Car_Model	Car_Type	Car_Price	Car_Length	Car_Width	Car_Height
CarCapacity	Fuel_type	Car_Engine	Mileage	Transmission_type	Car_Gear	Car_Airbag	Car_Colour

tbl_Book	ing			
Booking_id[PK	User_id[FK]	Car_id[FK	Booking_Status	Booking_d
]]		ate

tbl_Test_Drive							
Test_drive_id[PK]	User_id[FK]	Car_id[FK]	Testdrive_Status	date			

tbl_Staff								
Staff_id[PK]	First_name	Middle_name	Last_name	Designation	Contactno	Emailid	Address	
Date_of_join								

Tbl_addtofavorite						
Fav_id[PK]	Car_id[FK]	Uid[FK]				

6.1.2 Data Dictionary

• Tbl_User

Field Name	Data Type	Size	Constraints	Description
Uid	Int		Primary Key , AUTO_INCREMENT	It is for unique identification of user
First_name	Varchar	30	Not null	Firstname of user
Last_Name	Varchar	30	Not null	Last name of user
Middle_name	Varchar	30	Not null	Middle name of user
Address	Varchar	50	Not null	Address of user
Email	Varchar	25	Unique	Email id of user
Contactno	Bigint	10	Not null	Contact no of user
Password	Varchar	20	Not null	Password which is entered by user for login into the application
date	date			Date of register

• Tbl_Car

Field name	Data type	Size	Constraints	Description
Car_id	Int		Primary key AUTO_INCREMENT	It unique for all cars
Car_name	varchar	30	Not null	Name of car
Car_Model	varchar	20	Not null	Car model names
Car_type	varchar	20	Not null	Type of car
Car_Price	Float	10,2	Not null	Price of related car
Car_Length	Float	6,2	Not null	Length of car
Car_Width	Float	6,2	Not null	Total Width of car
Car_Height	Float	6,2	Not null	Height of car
Car_Capacity	Int		Not null	Capacity of car seats
Fuel _type	Varchar	10	Not null	Fuel type of car
Car_Engine	Int		Not null	Engine power of car
Car_Mileage	Int		Not null	Mileage of car
Transmission_type	varchar	10	Not null	Transmission type of particular car
Car_Gear	Int		Not null	How many gear given in car
Car_Airbag	Int		Not null	Airbag given in car
Car_Colour	Varchar	20	Not null	Colour of car
Car_image	varchar	255	Not null	Image of particular car
Status	Varchar	11	Not null	Status of car

• tbl_Booking

Field Name	Data Type	Size	Constraints	Description
Booking_id	Int		Primary key AUTO_INCREMENT	It is for unique identification of booking
User_id	Int		Foreign key	It is for unique identification of user
Car_id	Int		Foreign key	It is for unique identification of car
Booking_Status	Varchar	10	Not null	Status of booking of car is complete or not
Booking_date	date		Not null	Date of booking by customer

• tbl_Test_Drive

Field Name	Data Type	Size	Constraints	Description
Testdrive_id	Int		Primary key AUTO_INCREMENT	It is for unique identification of Test Drive
User_id	Int		Foreign key	It is for unique identification of user
Car_id	Int		Foreign key	It is for unique identification of car
Testdrive_Status	Varchar	10	Not null	Status of booking of car is complete or not
date	date		Not null	Date of test-drive that h want
time	time		Not null	Time which customer want

• Tbl_Staff

Field name	Data type	Size	Constraints	Description
Staff_id	Int		Primary key AUTO_INCREMENT	It unique for all staff
First_name	varchar	20	Not null	First Name of staff
Middle_name	varchar	20	Not null	Middle name of staff
Last_name	varchar	20	Not null	Last name of staff
Designation	varchar	20	Not null	Designation of staff
Contact_no	Int		Not null	Contact number of staff
Emailid	Varchar	20	Not null	Email id of staff
Address	Varchar	50	Not null	Address of staff
Date_of_join	Date		Not null	Date of join day of staff

$\bullet \ Tbl_add to fevor ite$

Field name	Data type	Size	Constraints	Description
Fav_id	Int		Primary key AUTO_INCREMENT	It unique for all
Car_id	int		Foreign key	Car id which user like to add
Uid	int		Foreign key	User id which user is logged in

• Login

Test	Components	Description	Input	Excepted	Actual	Remarks
case No.			values	output	output	
1	Email	Enter email	Null	This field is require	*	fail
	Email	Enter email	Invalid Email	Invalid email	Invalid email	Fail
	Email	Enter email	Valid Email	Accept	Accept	Pass
2	password	Enter password	Null	This field is required	Please fill this field	Fail
	password	Enter password	Not null	Accept	Accept	Pass
	Login	Perform event	Some invalid fields	Accept	Invalid credentials	Fail
3	Login	Perform event	Valid field	Accept	Accept	Pass

• Forgot password

Test	Components	Description	Input	Excepted	Actual	Remarks
case No.			values	output	output	
1	Email	Enter email	Null	This field is require	*	fail
	Email	Enter email	Invalid Email	Invalid email	Invalid email	Fail
	Email	Enter email	Valid Email	Accept	Accept	Pass
2	Otp	Enter Otp	Null	This field is required	*	Fail
	Otp	Enter otp	Not null	Accept	Accept	Pass
3	New password	Enter new password	Null	This field is required	*	Fail
	New password	Enter new password	Not null	Accept	Accept	Pass
4	Re-type new password	Re-enter new password	Null	This field is required	*	Fail
	Re –type new password	Re-enter new password	Not null	Accept	Accept	Pass
5	Change password	Perform event	Some invalid fields	Accept	Invalid data	Fail

• Registration

Test	Components	Description	Input	Excepted	Actual	Remarks
case No.			values	output	output	
1	First name	Enter First	Not Null	This field is	Accept	Pass
		name		require		
	Middle name	Enter Middle	Not Null	This field is	Accept	Pass
		name		require	_	
	Last name	Enter Last	Not Null	This field is	Accept	Pass
		name		require	_	
	Address	Enter Address	Not Null	This field is	Accept	Pass
				required		
	Email	Enter Email	Not null	This field is	Accept	Pass
				require	_	
	Password	Enter	Not Null	This field is	Accept	Pass
		Password		required	_	
	Contact No	Enter Contact	Not null	Accept	Accept	Pass
		No				
2	Register	Perform	Not Null	This field is	Invalid data	Fail
		register		required		
	Register	Re perform	Not null	Accept	Accept	Pass
		registration				
3	Otp	Enter Otp	Null	This field is	*	Fail
		_		required		
	Otp	Enter otp	Not null	Accept	Accept	Pass

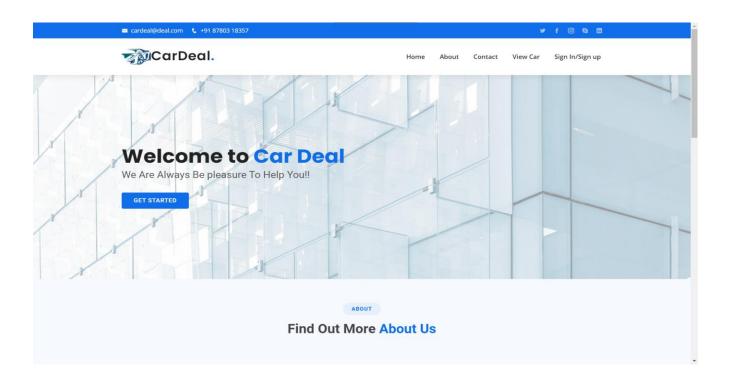
• book car

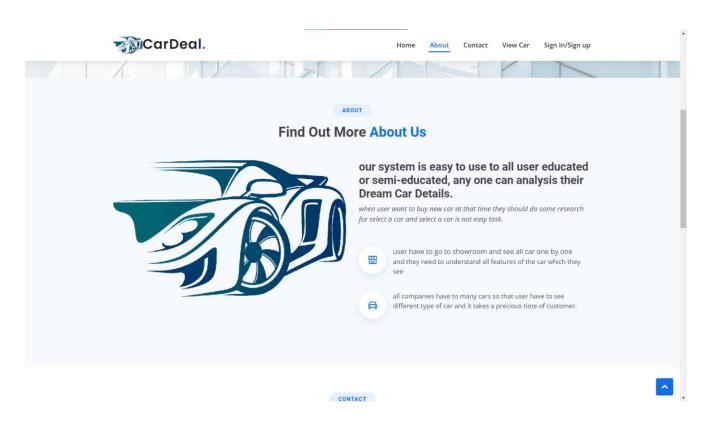
Test case No.	Components	Description	Input values	Excepted output	Actual output	Remarks
1	Select car	Select	Which user like	This field is require	accept	Pass
	Book now	Press button	Not null	Required	Accept	Pass
	Email	Email id enter automatically from session	Valid Email	Accept	Accept	Pass
2	Date	Date set automatically of date of the day	Not Null	This field is required	Accept	Pass
	password	Enter password	Not null	Accept	Accept	Pass
	Payment	Payment not done	Some invalid fields	Required	Invalid credentials	Fail
3	Payment	Payment done	Valid field	Accept	Accept	Pass

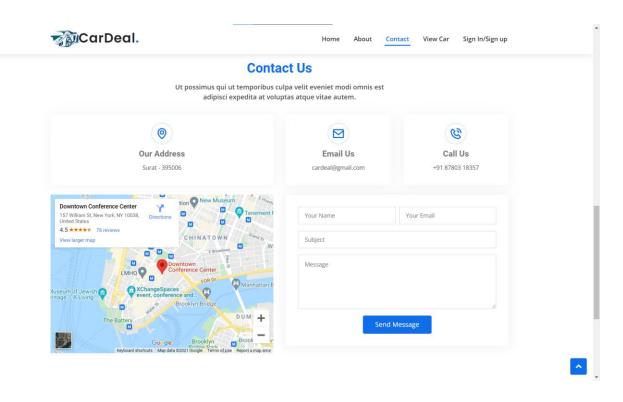
• Take test drive

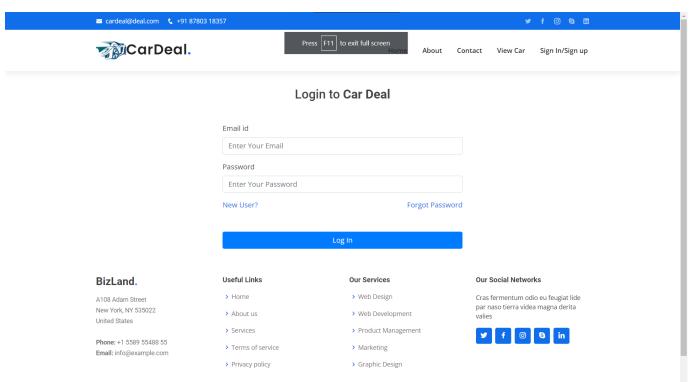
Test case No.	Components	Description	Input values	Excepted output	Actual output	Remarks
1	Select car	Select	Which user like	This field is require	accept	Pass
	Take test drive	Press button	Not null	Required	Accept	Pass
	date	User only able to select future date	Valid date	Accept	Accept	Pass
2	time	User only able to select	Not Null	This field is required	Accept	Pass
3	Request	Request for test drive	Invalid data	This field is required	Invalid credentials	Fail
	Request	Request for test drive	Valid data	Required	Accept	Pass

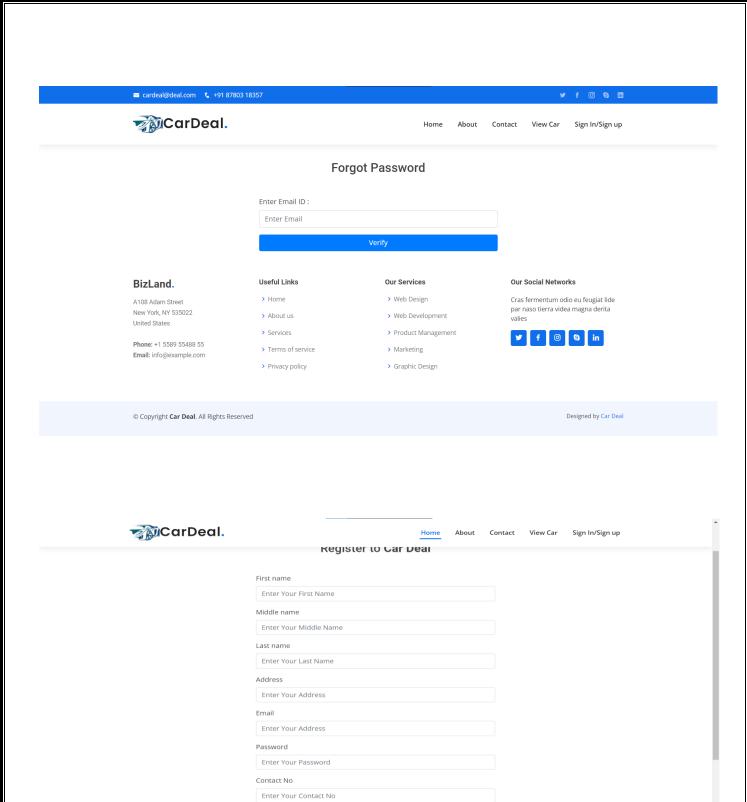
• Screen shots of system



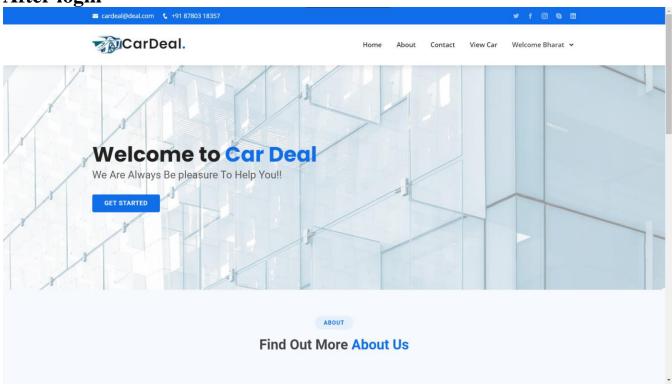


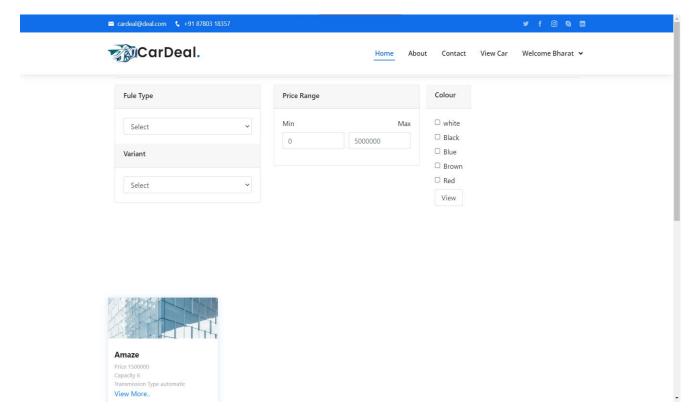


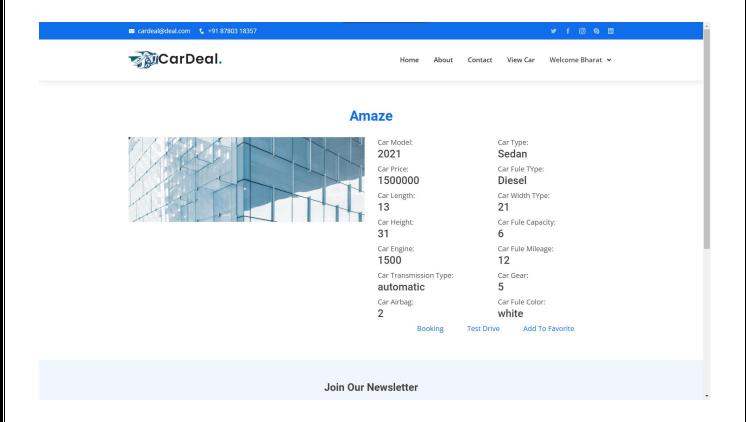




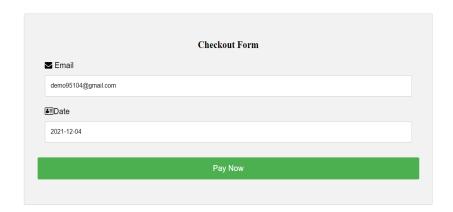
• After login

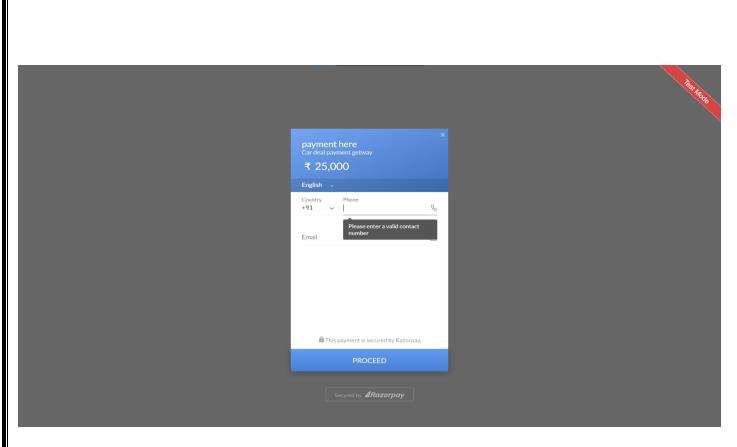


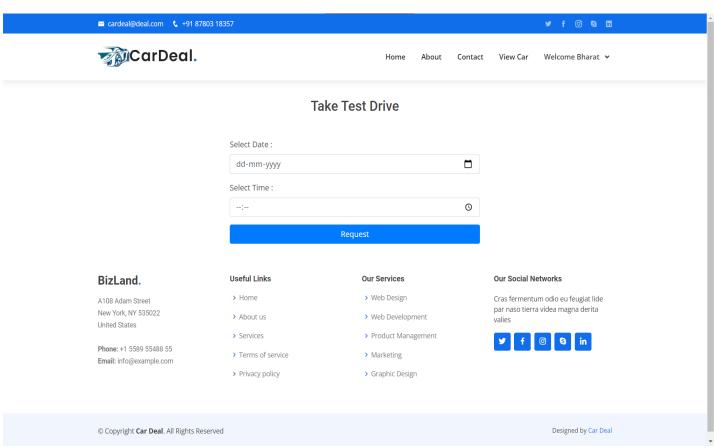


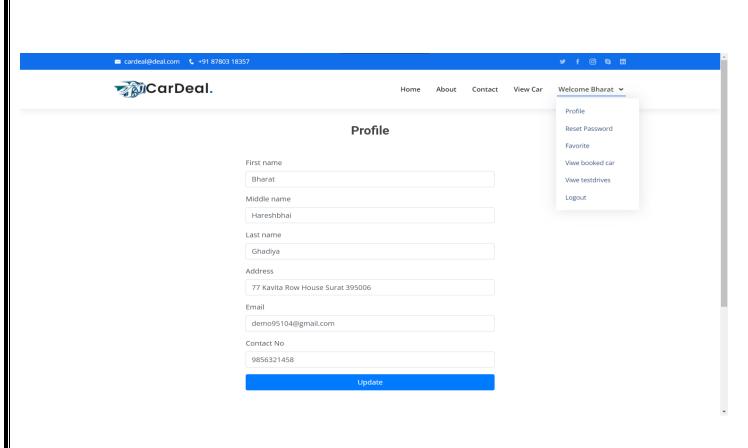


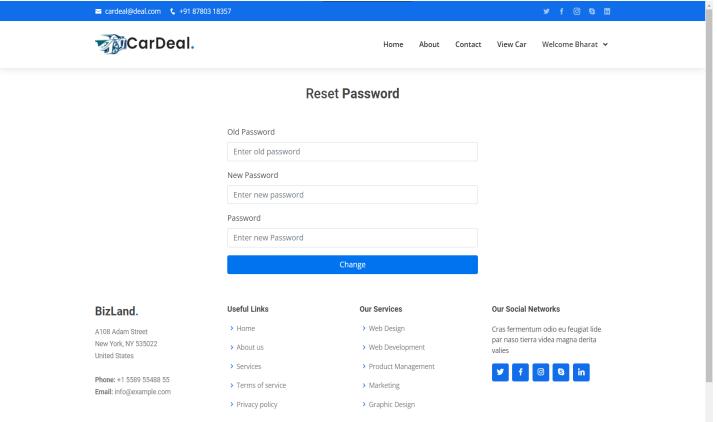
Wel-come To Car Booking Page

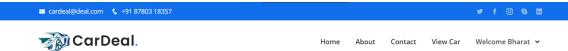












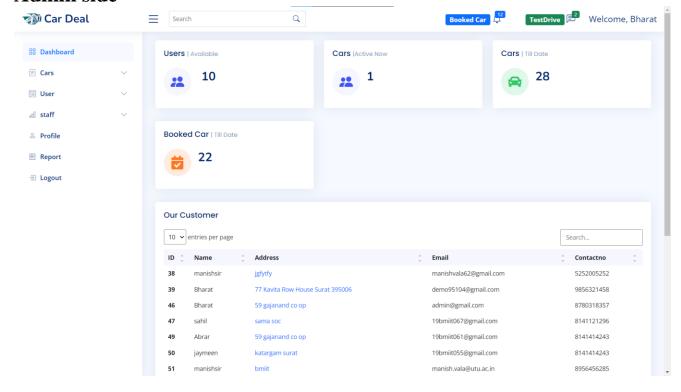
Your Booked Car					
Booking ID	Car ID	Car Name	Status	Booking Date	
25	41	Amaze	applied	2021-12-02	Download
26	41	Amaze	applied	2021-12-02	Download
28	41	Amaze	applied	2021-12-03	Download
29	41	Amaze	applied	2021-12-03	Download
30	41	Amaze	applied	2021-12-03	Download
31	41	Amaze	applied	2021-12-03	Download
32	41	Amaze	applied	2021-12-04	Download
33	41	Amaze	applied	2021-12-04	Download

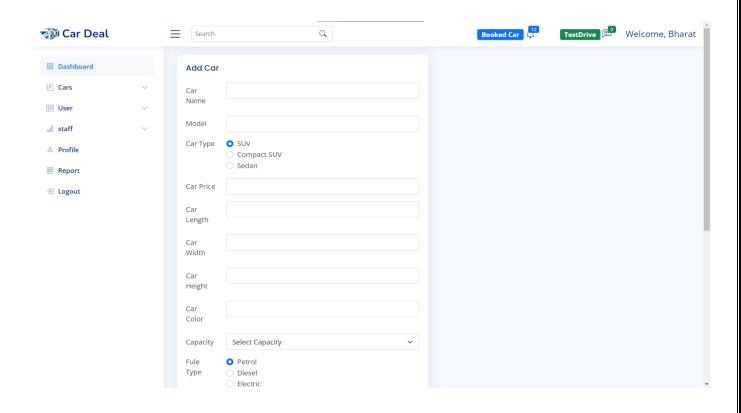
Home About Contact View Car Welcome Bharat 🕶

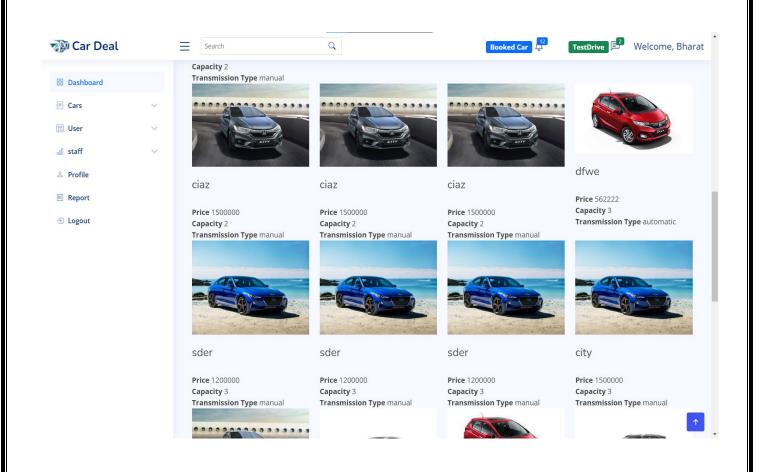
CarDeal. Home About Contact View Car Welcome Bharat 🕶

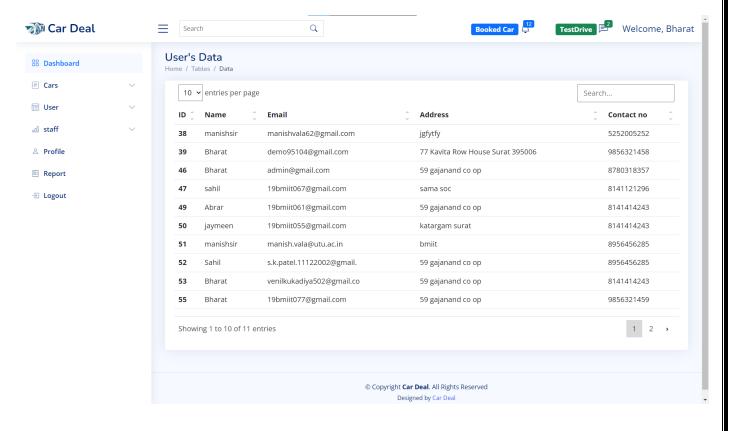
Test Drive ID	Car Name	Status	Date	Time	
5	AXZ	Approved	2021-10-07	13:07:00	Cancle-TestDrive
6	Amaze	Approved	2021-10-08	09:12:00	Cancle-TestDrive
9	Amaze	Approved	2021-10-30	15:07:00	Cancle-TestDrive
11	jazz	Approved	2021-10-17	00:02:00	Cancle-TestDrive
12	sder	Approved	2021-09-30	11:19:00	Cancle-TestDrive
13	sder	Approved	2021-10-01	10:19:00	Cancle-TestDrive
14	ford	Approved	2021-10-04	10:20:00	Cancle-TestDrive

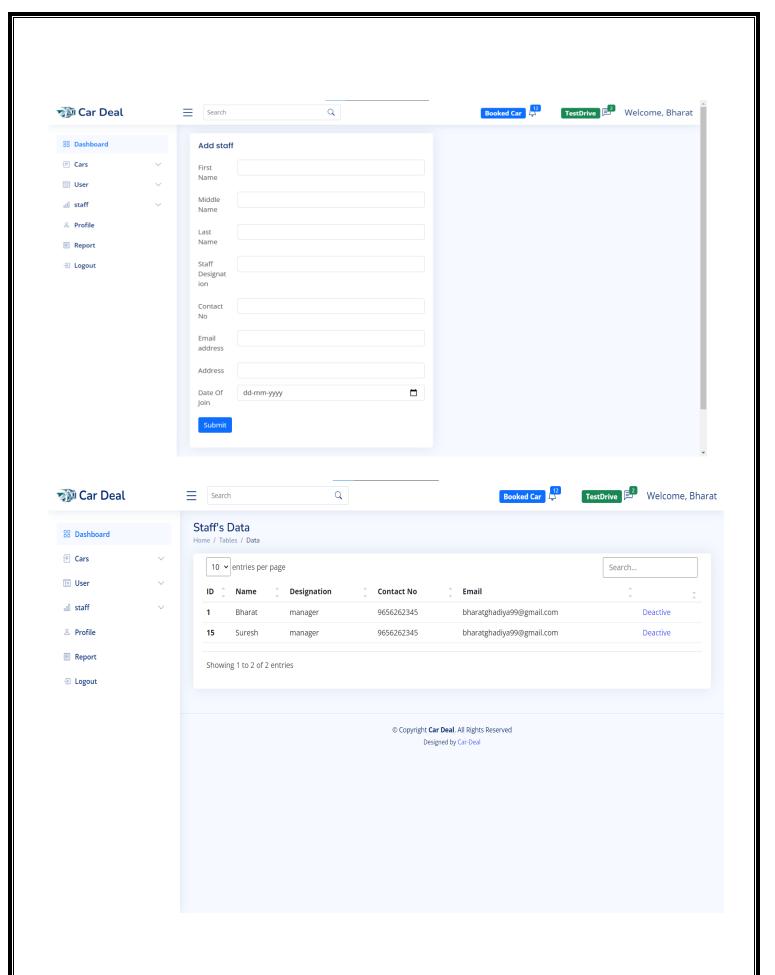
• Admin side

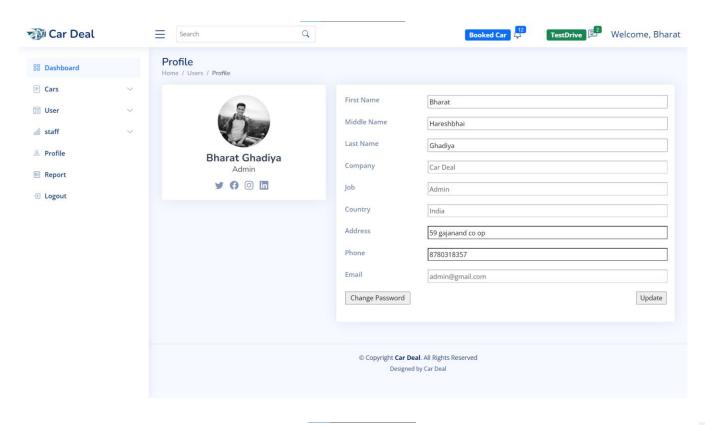


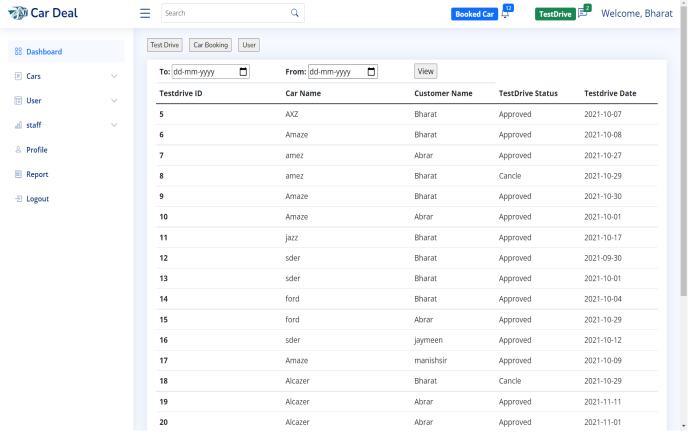


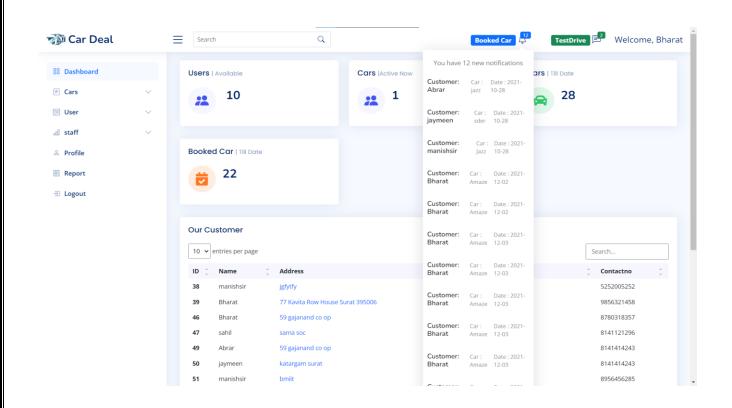


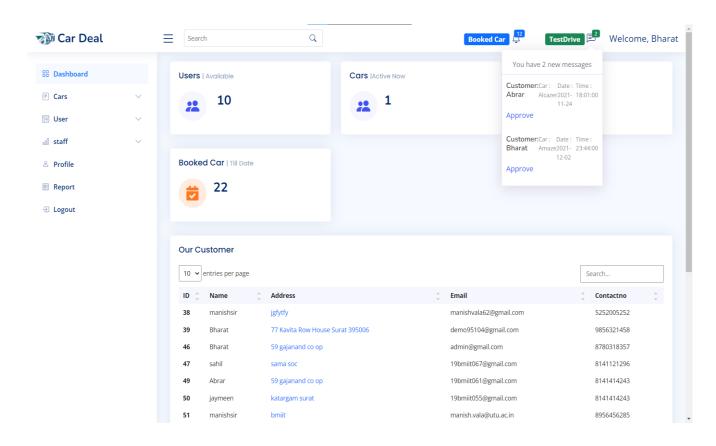












 Future Enhancement:- 1. Maintenance of the project will be done accurately.
2. According to the customer's feedback changes will be made.
3. We will try our best to give satisfactory result to our great customer.
• Bibliography:-
1. We have taken all guidance from our project guide Mr.hardikh vyas sir.
2. Get reference from google geeks for geeks and w3school.
3. Our system helpful for easy selection of customer's valuable car.