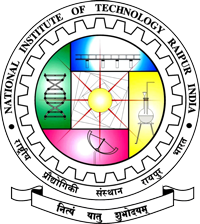
A

PROJECT REPORT

ON

*“Car Sell Portal”*

**

Submitted in partial fulfillment of the requirements for the award of degree of

Master of Computer Applications

(Year: 2019-20)

Submitted By

“Yogesh Kumar Patel”

18223087

“Mohammad Tohid Khokar”

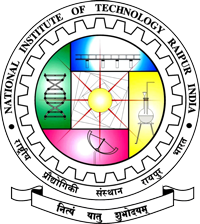
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“Anshdeep Chhabra”

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Submitted To:

Dr. Keshari Verma



Department of Computer Applications

National Institute of Technology Raipur

Submitted by-

Mohammad Tohid ,Anshdeep Chhabra,Yogesh Patel

Class – MCA 4th Sem

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Under the guidance of: Dr. Keshari Verma

Dr./Prof. Name: Dr. Keshari Verma

Designation : Professor And Project Mentor

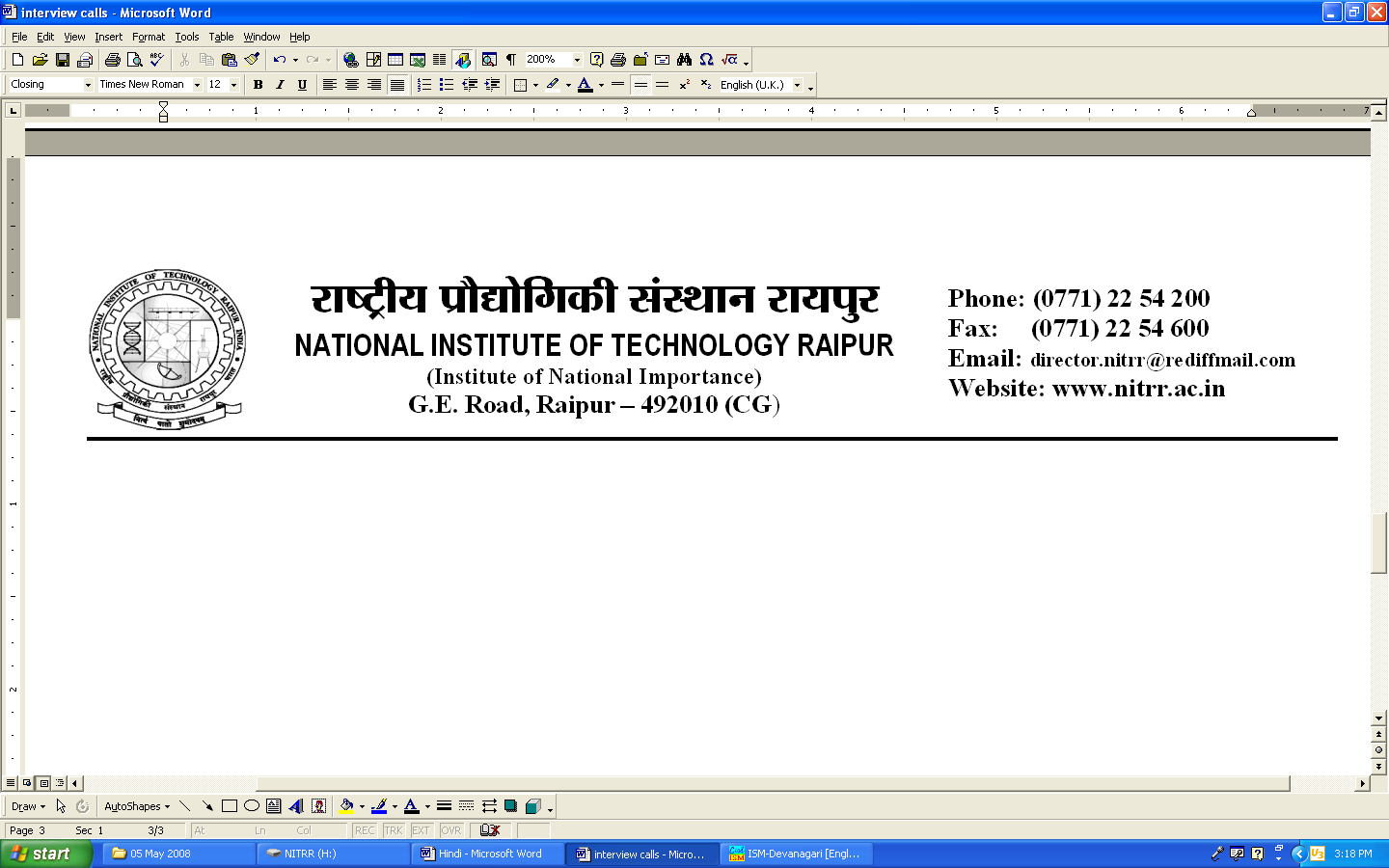
Department: MCA

Institute: National Institute of Technology , Raipur

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Year - 2020



Reference No.: NITRR/CA/2020/ Date: 10/082020

CERTIFICATE OF APPROVAL

This is to certify that the project report entitled “Project Title” for Organization Name, being developed by Student Name, Mohammad Tohid ,Anshdeep Chhabra,Yogesh Patel of MCA 4th semester is in partial fulfillment of the requirements for the award of degree of Master of Computer Applications in the year 2019-20 at Department of Computer Applications, National Institute of Technology Raipur.

|  |  |
| --- | --- |
| Professor Name :  Dr. Keshari Verma | Dr. /Prof. S.L. Sinha    Head of the Department |
|  |  |

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1-Inroduction:

About-

The main purpose for developing this module is to create an easy to use car selling interface. All car types data will be managed by admin and customer can see all the details about cars. Admin can see the list of all the customers who have applied for buying of any car. Here In this project can provide services and save the time of customers.

Features-

1. Admin can manage the booking.

2. Admin can see the list of all booking.

3. Customer can see booking

**Challenge Description-**

1. This challenge requires you to build a fully functional website for a car store. The Customer should be able to sign up and login into the application using the ID created. Without a login ID, customer can only search for discounts, cars available, discounts available and book for a test drive.

2. This includes high-level design, UI screens development, data storage, and manipulation and business logic using the concepts of core and advanced Java.

3. A running website hosted locally or remotely (on a cloud), the design document created and the source code used in a zip file.

2- Requirement specifications:

Technology used-

1. HTML: Page layout has been designed in HTML.

2. CSS: CSS has been used for all the designing part.

3. JSP: Servlet half part and Other half HTML.

4. Java Servlet : For Controlling Module.

5. Java: Backend coding.

6. Oracle: Data base.

7. Apache tomcat 8.0: Used for local server

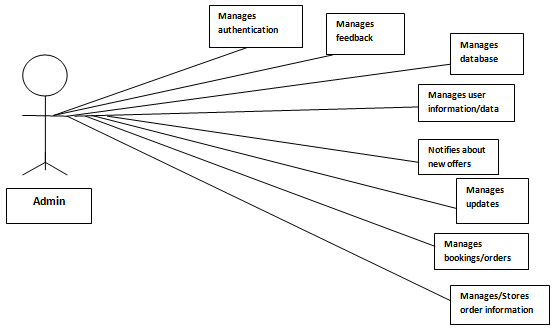
8. IDE: Using Eclipse luna

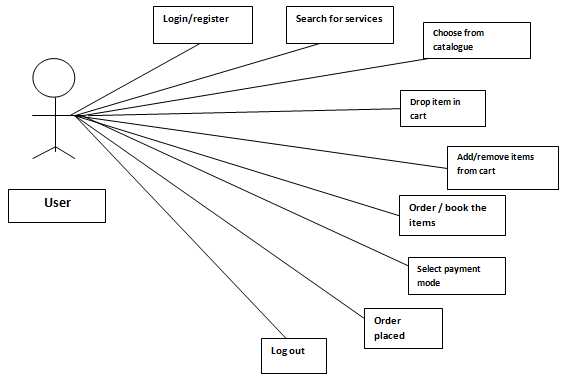
9. Required Library: Ojdbc14.jar

10. Applying MVC-2 Modal

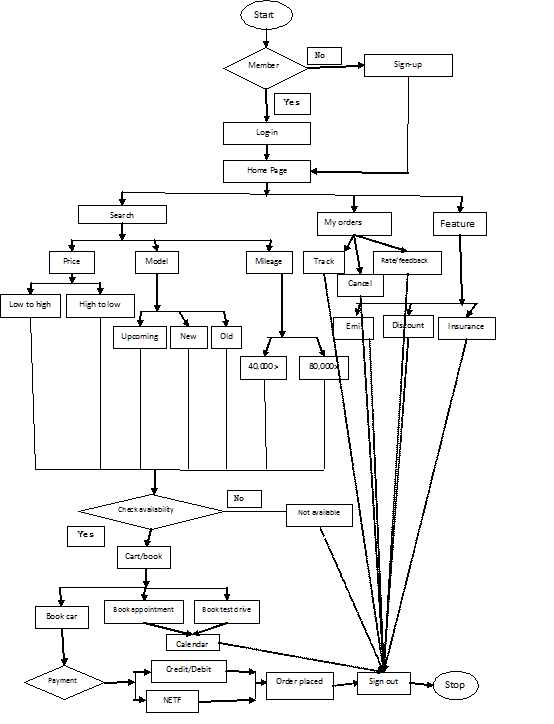
3-Data flow diagram:

Admin Side Data Flow-

  
User side Data Flow-



Flow Chart-

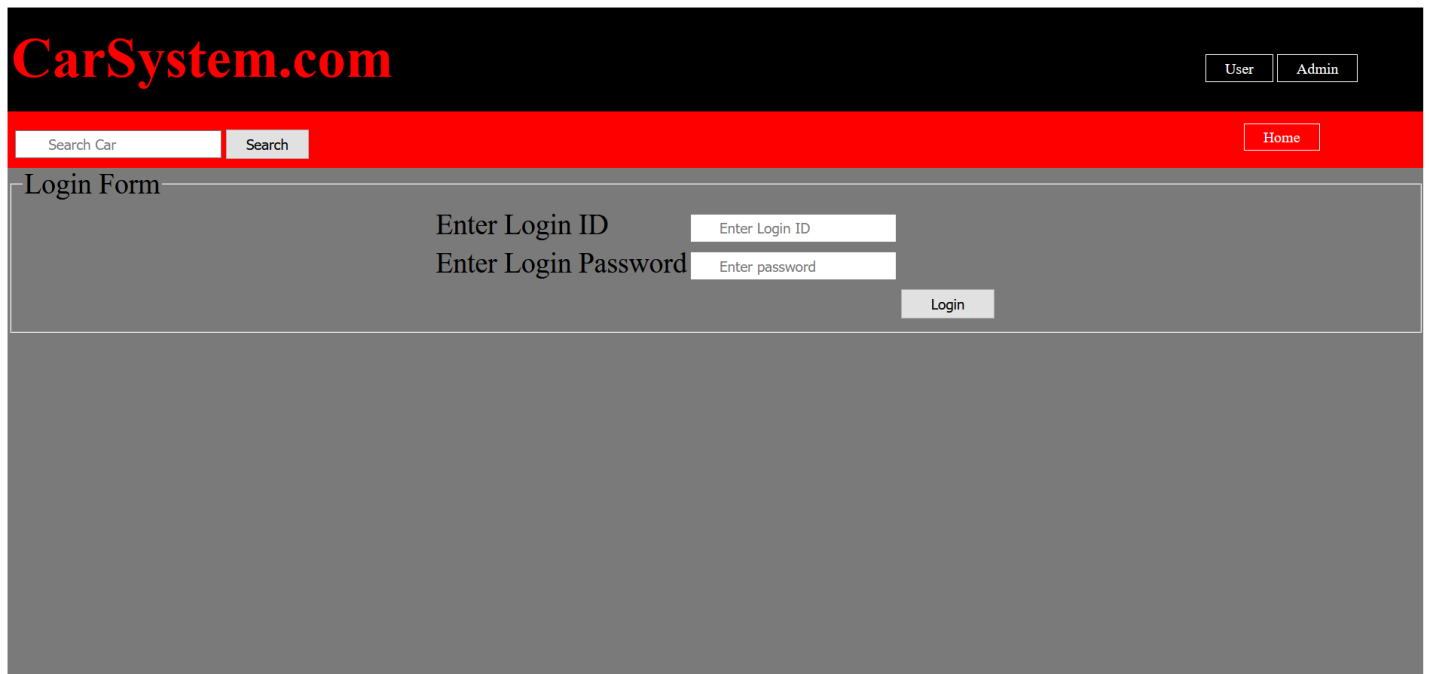


4-Output Screen functionality Admin view:

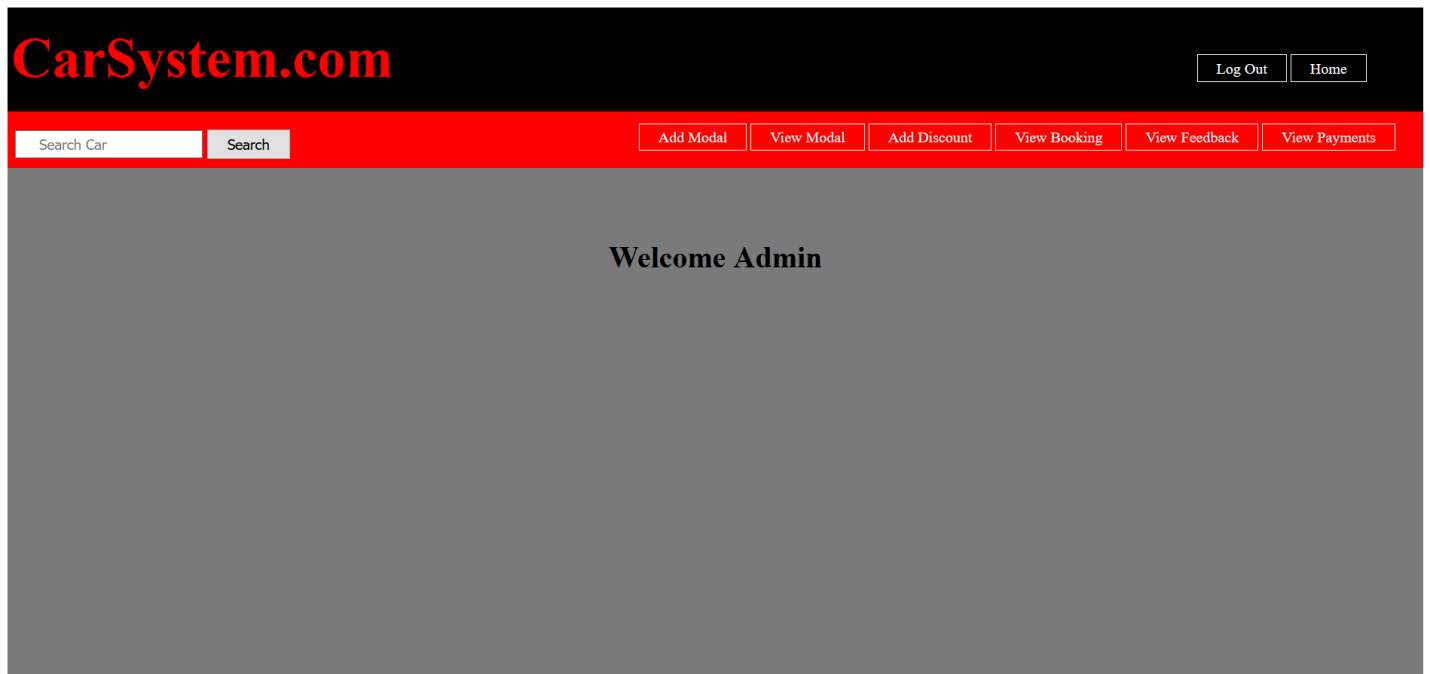
Home page



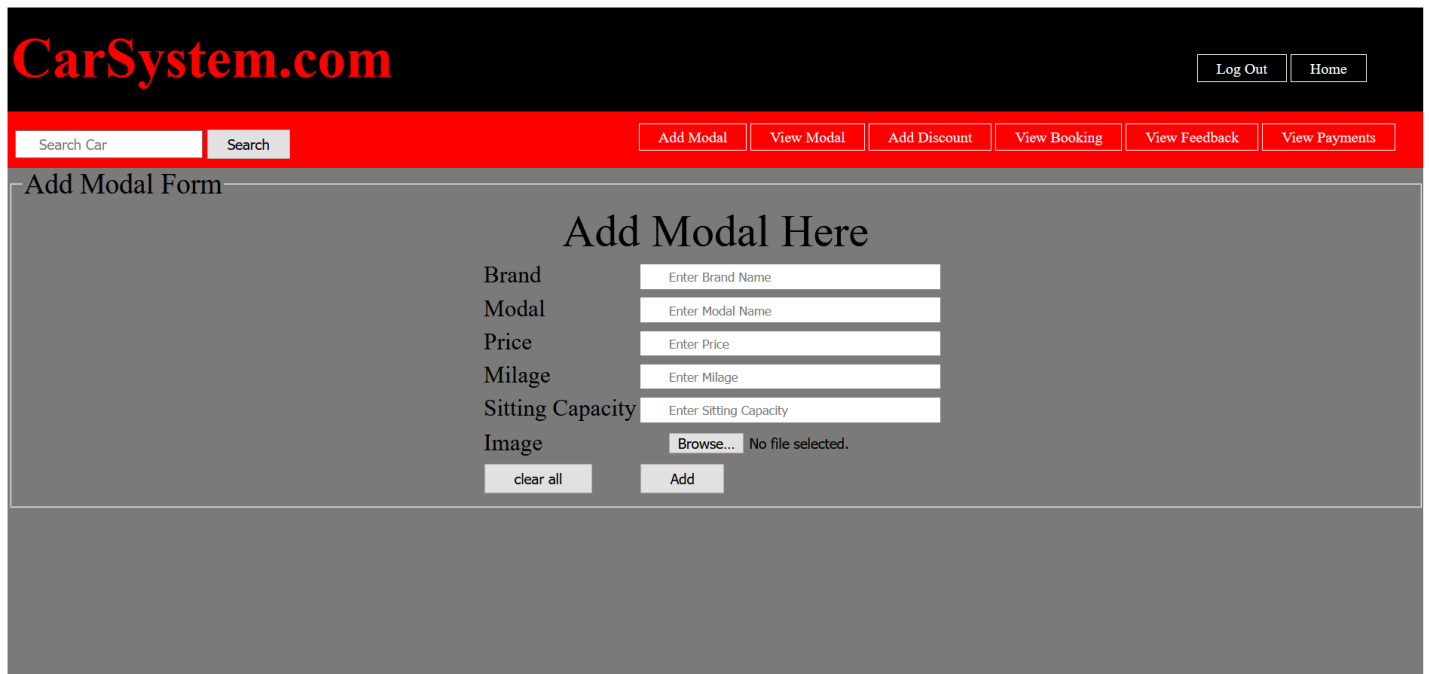
Admin Login



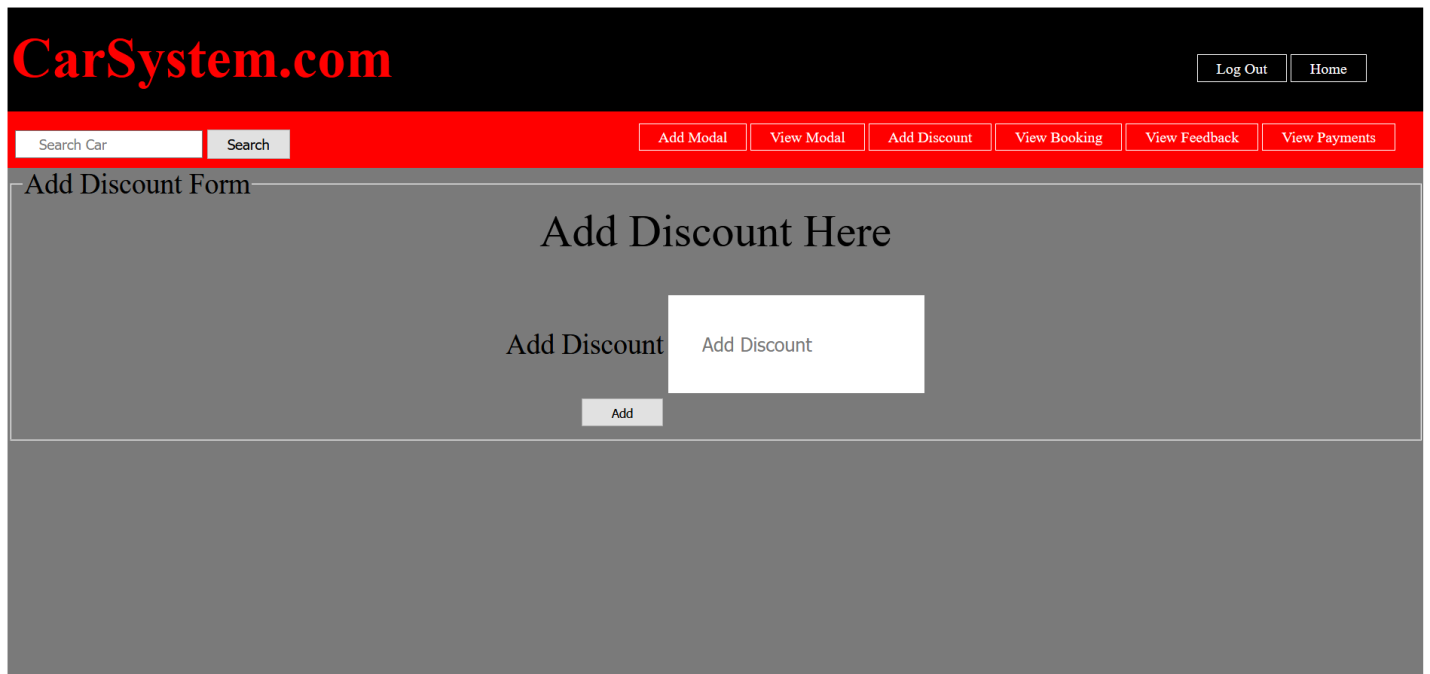
Admin Home page



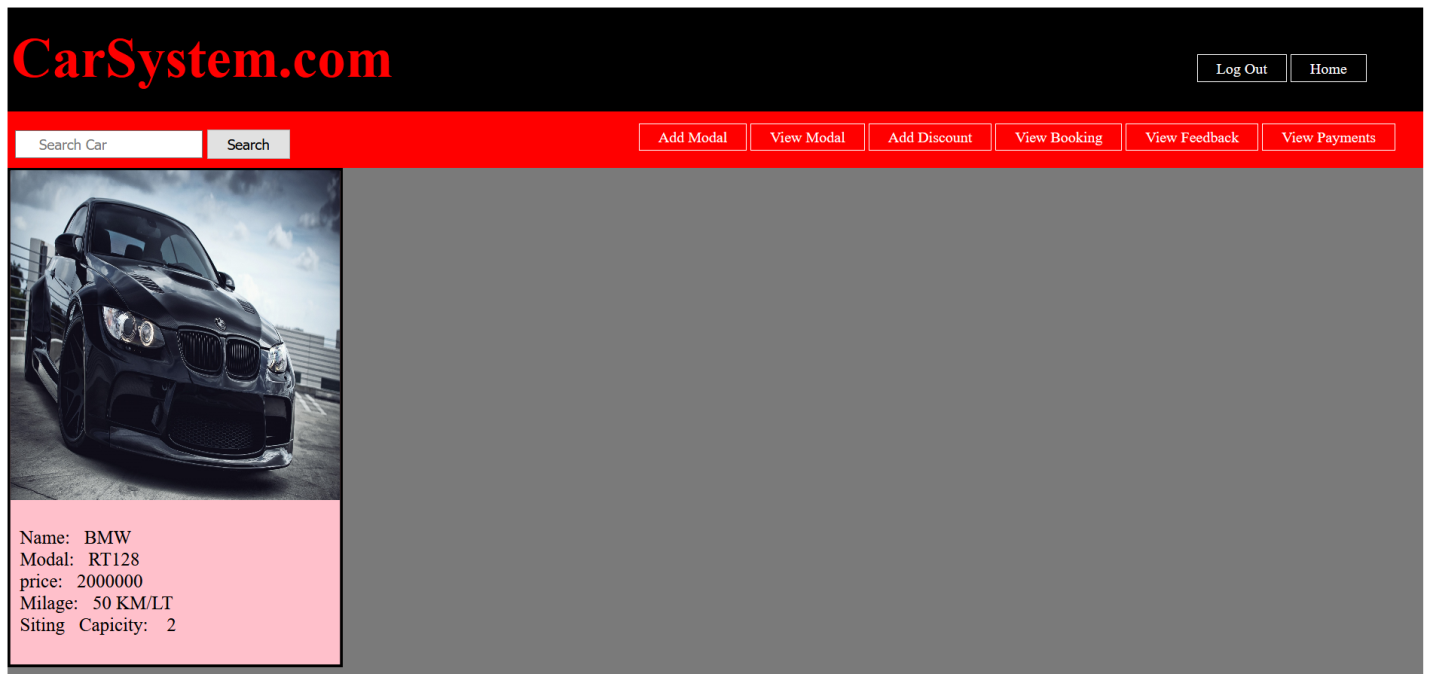
Add Modal



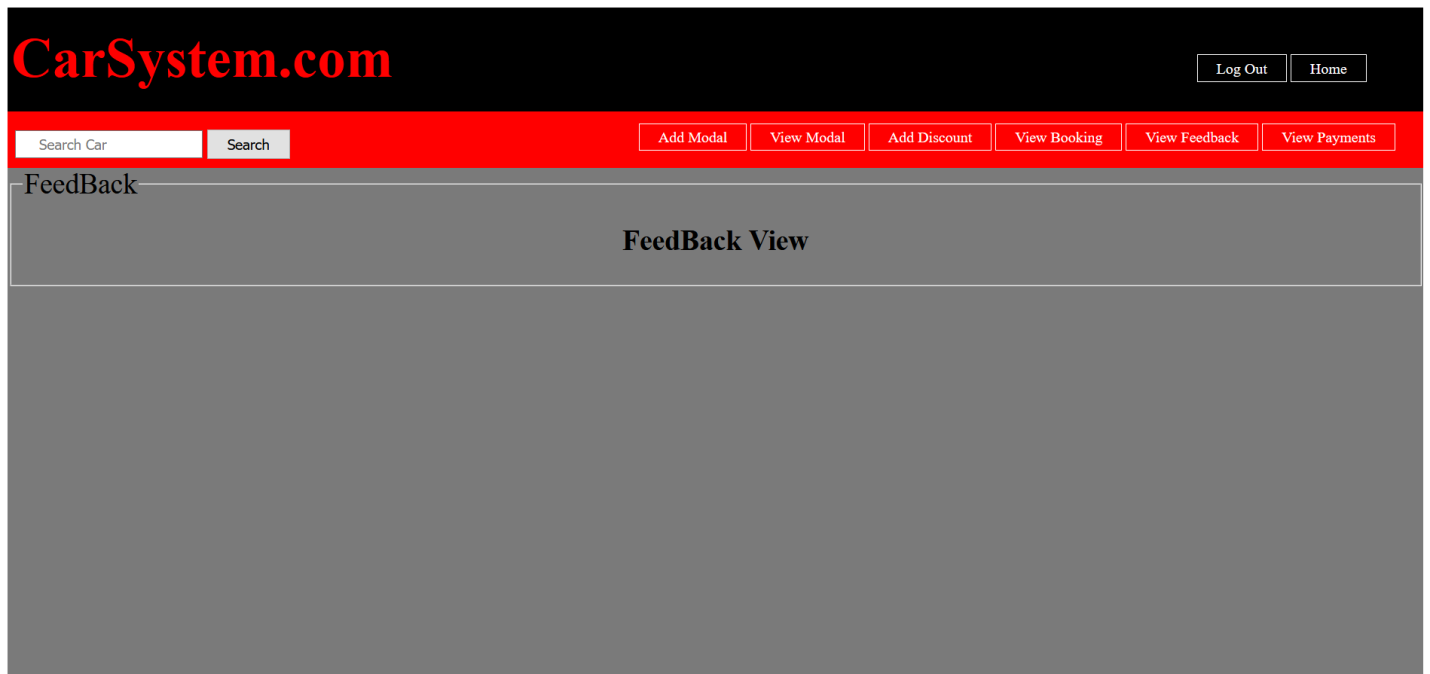
Add Discount



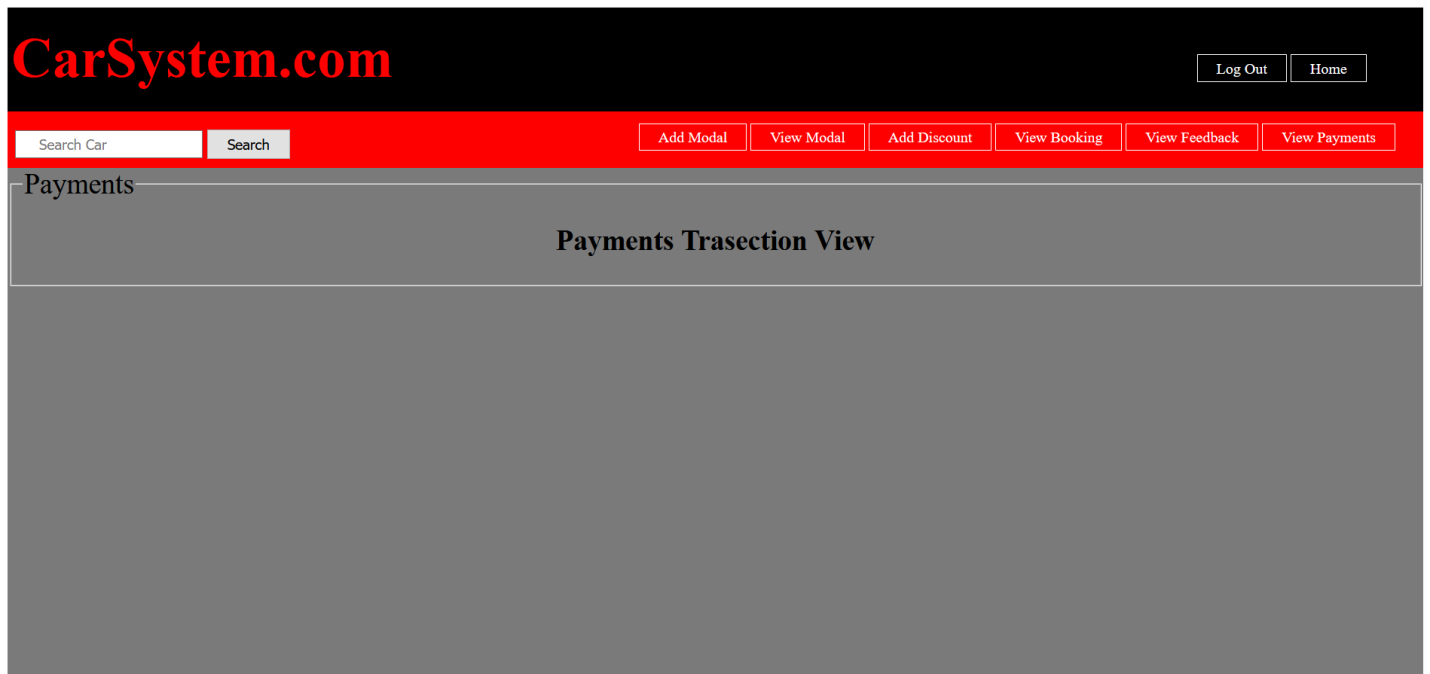
Booking view



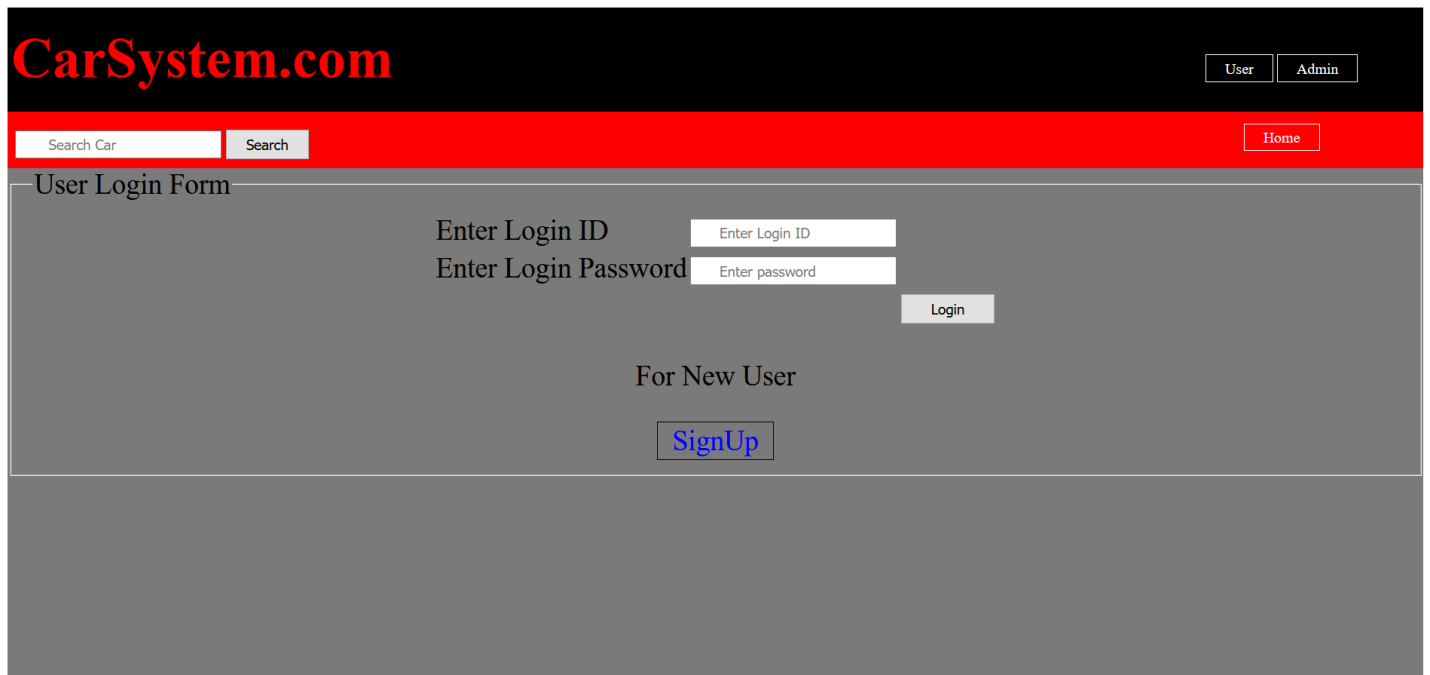
Feedback view



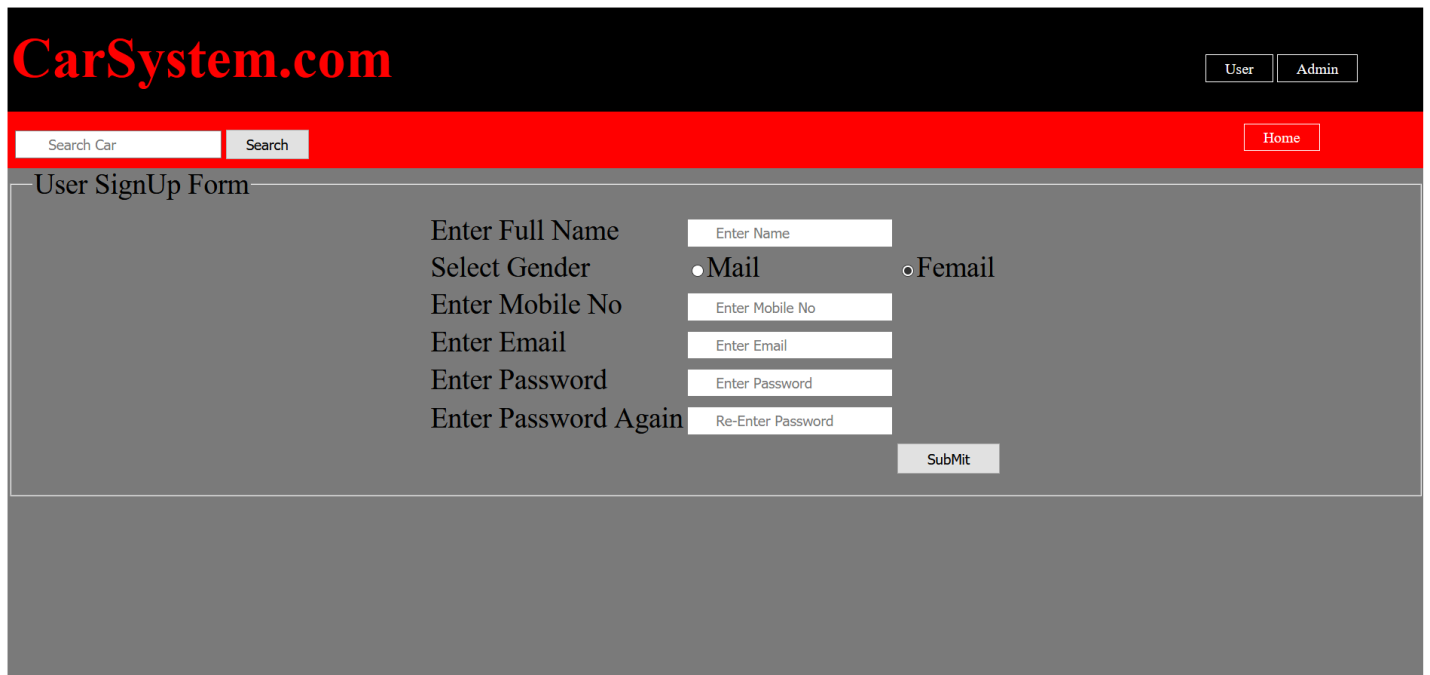
View payment



User Login –



User SignUp-



5- Source Code

Admin Header And Footer Using Jsp :

Header-

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Home Page</title>

<style type=*"text/css"*></style>

<link rel=*"stylesheet"*

type=*"text/css"*

href=*"css/style2.css"* >

</head>

<body>

<div id=*"Main\_Container"*>

<!-- header start -->

<div id=*"header"*>

<div id=*"header\_left"*>

<br>

&nbsp;<font style="color:*red*;text-align:*left*;font-weight:*bold*;font-size: *60px*" >CarSystem.com</font>

</div>

<div id=*"header\_right"*>

<center>

<br>

<br>

<br>

<a href=*"Home.jsp"*>Log Out</a>

<a href=*"Admin\_Home.jsp"*>Home</a>

</center>

</div>

</div>

<!-- header end -->

<div id=*"center\_2"*>

<div id=*"center\_2\_left"*>

<br>

&nbsp;&nbsp;<input type=*"text"*placeholder=*" Search Car"*autofocus=*"autofocus"*required=*"required"*

style="padding:*5px 20px*;font-size: *15px*">

<input type=*"submit"* value=*"Search"* style="padding:*5px 20px*;font-size: *15px*">

</div>

<div id=*"center\_2\_right"*>

<center>

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

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&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href=*"Add\_Modal"*>Add Modal</a>

<a href=*"View\_Modal.jsp"*>View Modal</a>

<a href=*"add\_disc"*>Add Discount</a>

<a href=*"viewbooking"*>View Booking</a>

<a href=*"viewfeedback"*>View Feedback</a>

<a href=*"viewpayments"*>View Payments</a>

</center>

</div>

</div>

Footer-

<div id=*"Bottom"*>

<h1>About Us-</h1>

<h1>Name - NIT Project For 4rt Sem MCA</h1>

<h1>Email- nit.rr@gmail.com</h1>

</div>

</div>

</body>

</html>

Web XML File For Mapping Serverlet:

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>CarSystemProject</display-name>

<welcome-file-list>

<welcome-file>Home.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>adminLoginServlet</display-name>

<servlet-name>adminLoginServlet</servlet-name>

<servlet-class>controller.adminLoginServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>adminLoginServlet</servlet-name>

<url-pattern>/adminlogin</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>AddModalServlet</display-name>

<servlet-name>AddModalServlet</servlet-name>

<servlet-class>controller.AddModalServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>AddModalServlet</servlet-name>

<url-pattern>/Add\_Modal</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>AddDiscountServlet</display-name>

<servlet-name>AddDiscountServlet</servlet-name>

<servlet-class>controller.AddDiscountServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>AddDiscountServlet</servlet-name>

<url-pattern>/add\_disc</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>ViewBookingServlet</display-name>

<servlet-name>ViewBookingServlet</servlet-name>

<servlet-class>controller.ViewBookingServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ViewBookingServlet</servlet-name>

<url-pattern>/viewbooking</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>ViewFeedBackServlet</display-name>

<servlet-name>ViewFeedBackServlet</servlet-name>

<servlet-class>controller.ViewFeedBackServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ViewFeedBackServlet</servlet-name>

<url-pattern>/viewfeedback</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>ViewPaymentsServlet</display-name>

<servlet-name>ViewPaymentsServlet</servlet-name>

<servlet-class>controller.ViewPaymentsServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ViewPaymentsServlet</servlet-name>

<url-pattern>/viewpayments</url-pattern>

</servlet-mapping>

</web-app>

Java Business Object Code –

1-

package Bo;

public class Login {

private int id;

private String name;

private String login\_id;

private String login\_pass;

public Login() {

super();

}

public Login(int id, String name, String login\_id, String login\_pass) {

super();

this.id = id;

this.name = name;

this.login\_id = login\_id;

this.login\_pass = login\_pass;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getLogin\_id() {

return login\_id;

}

public void setLogin\_id(String login\_id) {

this.login\_id = login\_id;

}

public String getLogin\_pass() {

return login\_pass;

}

public void setLogin\_pass(String login\_pass) {

this.login\_pass = login\_pass;

}

}

2-

package Bo;

import java.io.File;

public class Modal {

private int id;

private String brandName;

private String modal;

private int price;

private float milage;

private int siting\_cap;

private File image ;

public Modal() {

super();

}

public File getImage() {

return image;

}

public void setImage(File image) {

this.image = image;

}

public Modal(int id, String brandName, String modal, int price,

float milage, int siting\_cap, File image) {

super();

this.id = id;

this.brandName = brandName;

this.modal = modal;

this.price = price;

this.milage = milage;

this.siting\_cap = siting\_cap;

this.image = image;

}

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getBrandName() {

return brandName;

}

public void setBrandName(String brandName) {

this.brandName = brandName;

}

public String getModal() {

return modal;

}

public void setModal(String modal) {

this.modal = modal;

}

public int getPrice() {

return price;

}

public void setPrice(int price) {

this.price = price;

}

public float getMilage() {

return milage;

}

public void setMilage(float milage) {

this.milage = milage;

}

public int getSiting\_cap() {

return siting\_cap;

}

public void setSiting\_cap(int siting\_cap) {

this.siting\_cap = siting\_cap;

}

}

Servlet Code with doGet() and doPost() menthod For Admin Login-

package controller;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import Bo.Login;

public class adminLoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

List<Login> list=new ArrayList<Login>();

Connection con = null;

Statement stmt = null;

ResultSet rs = null;

String DRIVER\_CLASS="oracle.jdbc.driver.OracleDriver";

String URL="jdbc:oracle:thin:@localhost:1521:XE";

String USER="system";

String PASSWORD="sameer54";

try{

Class.forName(DRIVER\_CLASS);

con = DriverManager.getConnection(URL, USER, PASSWORD);

stmt = con.createStatement();

String sql="select \* from login\_table\_carProject";

rs = stmt.executeQuery(sql);

while(rs.next()){

int id = rs.getInt("id");

String name = rs.getString("name");

String loginID = rs.getString("login\_id");

String loginPass = rs.getString("login\_password");

Login loginOb=new Login();

loginOb.setId(id);

loginOb.setName(name);

loginOb.setLogin\_id(loginID);

loginOb.setLogin\_pass(loginPass);

list.add(loginOb);

}

}catch(Exception e ){

e.printStackTrace();

}finally{

}

request.setAttribute("loginList",list);

request.getRequestDispatcher("admin\_login.jsp").forward(request, response);

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

String str1=request.getParameter("id");

String str2=request.getParameter("pasword");

Connection con = null;

PreparedStatement pstmt = null;

ResultSet rs = null;

String DRIVER\_CLASS="oracle.jdbc.driver.OracleDriver";

String URL="jdbc:oracle:thin:@localhost:1521:XE";

String USER="system";

String PASSWORD="sameer54";

try{

Class.forName(DRIVER\_CLASS);

con = DriverManager.getConnection(URL, USER, PASSWORD);

String sql="select \* from login\_table\_carProject where login\_id=? and login\_password=?";

pstmt = con.prepareStatement(sql);

pstmt.setString(1,str1);

pstmt.setString(2,str2);

rs = pstmt.executeQuery();

if(rs.next()){

int id = rs.getInt("id");

String name = rs.getString("name");

String loginID = rs.getString("login\_id");

String loginPass = rs.getString("login\_password");

Login login=new Login();

login.setId(id);

login.setName(name);

login.setLogin\_id(loginID);

login.setLogin\_pass(loginPass);

request.setAttribute("loginObj",login);

request.getRequestDispatcher("Admin\_Home.jsp").forward(request, response);

}else{

request.getRequestDispatcher("Wrong\_login.jsp").forward(request, response);

}

}catch(Exception e ){

e.printStackTrace();

}finally{}

}

}

DataBase’s-

drop table login\_table\_carProject;

drop sequence login\_table\_carProject\_seq;

create sequence login\_table\_carProject\_seq start with 2001;

create table login\_table\_carProject(

id number(10) primary key,

name varchar(20) not null,

login\_id varchar(20) not null unique,

login\_password varchar(20) not null check(length(login\_password)>=4),

email varchar(30) not null unique,

mobile varchar(15) not null unique,

role varchar(15) default('Guest'),

created timestamp default sysdate

);

commit;

select \* from login\_table\_carProject;

drop table modal\_table\_carProject;

drop sequence modal\_table\_carProject\_seq;

create sequence modal\_table\_carProject\_seq start with 2001;

create table modal\_table\_carProject(

id number(10) primary key,

brandName varchar(20) not null,

modal varchar(20) not null,

price number(10) not null,

milage number(10) not null,

sitting\_capasity number(5) not null,

image blob,

created timestamp default sysdate

);

commit;

select \* from modal\_table\_carProject;

6-Learning:

After completing this challenge, we should have a thorough understanding of:

1. Creating a real-world web-based application on Car Store
2. Designing a car store application using Data flow diagrams
3. Advanced Java concepts: Servlets, [JSP’s](https://1000projects.org/java-projects.html), etc and web design tools such as [HTML](https://1000projects.org/projects/html-projects), CSS.
4. Data Management using databases such as [MySQL](https://1000projects.org/projects/mysql-projects) etc.

7-Reference:

1.Java Web Application

2.WWW.Javatpoint.com

3.WWW.geeksforgeeks.arg

4.Java Programing Master Class For Softwear Devlopment (Udemy Java Courses)

6.Book-Programing With Java 6th Edition By –E Balagurusamy