
 Marwadi University Marwadi Chandarana Group		Marwadi University Faculty of Technology Department of Information and Communication Technology	
Subject: Advanced Java (01CT1623)	Aim: Parking Management System		
Long Hour Coding	Date:- 01-04-2025	Enrollment No:- 92200133003	

Code :-

Models :

Parking

```
package com.parkingManagement.model;
```

```
import java.sql.Timestamp;
```

```
public class Parking {
    private int id;
    private String vehicleNumber;
    private int duration;
    private String companyName;
    private Timestamp entryTime;
    private Timestamp exitTime;
    private double fine;

    public Parking() {}

    public Parking(String vehicleNumber, int duration, String companyName, Timestamp entryTime) {
        this.vehicleNumber = vehicleNumber;
        this.duration = duration;
        this.companyName = companyName;
        this.entryTime = entryTime;
        this.exitTime = null; // Not set at booking
        this.fine = 0.0;
    }

    public int getId() { return id; }
    public void setId(int id) { this.id = id; }

    public String getVehicleNumber() { return vehicleNumber; }
    public void setVehicleNumber(String vehicleNumber) { this.vehicleNumber = vehicleNumber; }



    public int getDuration() { return duration; }
    public void setDuration(int duration) { this.duration = duration; }

    public String getCompanyName() { return companyName; }
    public void setCompanyName(String companyName) { this.companyName = companyName; }

    public Timestamp getEntryTime() { return entryTime; }
    public void setEntryTime(Timestamp entryTime) { this.entryTime = entryTime; }

    public Timestamp getExitTime() { return exitTime; }
    public void setExitTime(Timestamp exitTime) { this.exitTime = exitTime; }

    public double getFine() { return fine; }
    public void setFine(double fine) { this.fine = fine; }
}
```

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User :

package com.parkingManagement.model;

```

public class Users {
    private int id;
    private int company_id; // Added company_id
    private String company_name;
    private String company_email;
    private String company_phone;
    private String company_address;
    private int parking_slots;
    private String password;

    // Updated constructor to include company_id
    public Users(String company_name, String company_email, String company_phone, String company_address, Integer parking_slots, String password) {
        this.company_id = company_id;
        this.company_name = company_name;
        this.company_email = company_email;
        this.company_phone = company_phone;
        this.company_address = company_address;
        this.parking_slots = Integer.parseInt(String.valueOf(parking_slots));
        this.password = password;
    }

    // Default constructor
    public Users() {

    }

    // Getter for companyName
    public String getCompanyName() {
        return company_name;
    }

    // Getter and setter methods for company_id
    public int getCompany_id() {
        return company_id;
    }

    public void setCompany_id(int company_id) {
        this.company_id = company_id;
    }

    // Getter and setter for id
    public void setId(int id) {
        this.id = id;
    }

    public int getId() {
        return id;
    }

    // Getter and setter for company_name
    public void setCompany_name(String company_name) {
        this.company_name = company_name;
    }

    public String getCompany_name() {
        return company_name;
    }



    // Getter and setter for company_email
    public void setCompany_email(String company_email) {
        this.company_email = company_email;
    }

    public String getCompany_email() {
        return company_email;
    }

    // Getter and setter for company_phone
    public void setCompany_phone(String company_phone) {
        this.company_phone = company_phone;
    }

    public String getCompany_phone() {
        return company_phone;
    }
}

```

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```
// Getter and setter for company_address
public String getCompany_address() {
    return company_address;
}

public void setCompany_address(String company_address) {
    this.company_address = company_address;
}

// Getter and setter for parking_slots
public int getParking_slots() {
    return parking_slots;
}

public void setParking_slots(int parking_slots) {
    this.parking_slots = parking_slots;
}

// Getter and setter for password
public String getPassword() {
    return password;
}

public void setPassword(String password) {
    this.password = password;
}
}
```

VehicleType

```
package com.parkingManagement.model;

public class VehicleType {
    private String id;
    private String companyId;
    private String vehicleType;
    private String vehicleCharge;
    private String fine;

    // Getters and Setters
    public String getId() {
        return id;
    }

    public void setId(int id) {
        this.id = String.valueOf(id);
    }

    public String getCompanyId() {
        return companyId;
    }

    public void setCompanyId(int companyId) {
        this.companyId = String.valueOf(companyId);
    }



    public String getVehicleType() {
        return vehicleType;
    }

    public void setVehicleType(String vehicleType) {
        this.vehicleType = vehicleType;
    }

    public String getVehicleCharge() {
        return vehicleCharge;
    }

    public void setVehicleCharge(double vehicleCharge) {
        this.vehicleCharge = String.valueOf(vehicleCharge);
    }

    public String getFine() {
        return fine;
    }
}
```

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```

}

public void setFine(double fine) {
    this.fine = String.valueOf(fine);
}
}

```

Dao : UserDao

```

package com.parkingManagement.dao;

import com.parkingManagement.model.Users;
import com.parkingManagement.util.DBConnection;
import java.sql.*;

public class UserDao {
    private static final String INSERT_USER_SQL = "INSERT INTO users (company_name, company_email, company_phone, company_address, parking_slots, password) VALUES (?, ?, ?, ?, ?, ?)";
    private static final String SELECT_USER_SQL = "SELECT * FROM users WHERE company_email = ? AND password = ?";
    private static final String SELECT_USER_BY_ID_SQL = "SELECT * FROM users WHERE id = ?"; // New query to select user by id

    // Method to register a new user
    public boolean registerUser(Users user) {
        try (Connection connection = DBConnection.getConnection();
            PreparedStatement preparedStatement = connection.prepareStatement(INSERT_USER_SQL, Statement.RETURN_GENERATED_KEYS)) {

            preparedStatement.setString(1, user.getCompany_name());
            preparedStatement.setString(2, user.getCompany_email());
            preparedStatement.setString(3, user.getCompany_phone());
            preparedStatement.setString(4, user.getCompany_address());
            preparedStatement.setInt(5, user.getParking_slots());
            preparedStatement.setString(6, user.getPassword());

            int affectedRows = preparedStatement.executeUpdate();

            if (affectedRows > 0) {
                try (ResultSet generatedKeys = preparedStatement.getGeneratedKeys()) {
                    if (generatedKeys.next()) {
                        user.setId(generatedKeys.getInt(1)); // Setting the generated user id
                        return true;
                    }
                }
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
        return false;
    }

    // Method for user login
    public Users loginUser(String email, String password) {
        try (Connection connection = DBConnection.getConnection();
            PreparedStatement preparedStatement = connection.prepareStatement(SELECT_USER_SQL)) {

            preparedStatement.setString(1, email);
            preparedStatement.setString(2, password);
            ResultSet rs = preparedStatement.executeQuery();

            if (rs.next()) {
                Users user = new Users();
                user.setId(rs.getInt("id")); // Set user id
                user.setCompany_name(rs.getString("company_name"));
                user.setCompany_email(rs.getString("company_email"));
                user.setCompany_phone(rs.getString("company_phone"));
                user.setCompany_address(rs.getString("company_address"));
                user.setParking_slots(rs.getInt("parking_slots"));
                user.setPassword(rs.getString("password"));

                return user;
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

```

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```

    }
    return null;
}

// Optional: Method to get user by ID
public Users getUserById(int userId) {
    try (Connection connection = DBConnection.getConnection();
        PreparedStatement preparedStatement = connection.prepareStatement(SELECT_USER_BY_ID_SQL)) {
        preparedStatement.setInt(1, userId);
        ResultSet rs = preparedStatement.executeQuery();

        if (rs.next()) {
            Users user = new Users();
            user.setId(rs.getInt("id"));
            user.setCompany_name(rs.getString("company_name"));
            user.setCompany_email(rs.getString("company_email"));
            user.setCompany_phone(rs.getString("company_phone"));
            user.setCompany_address(rs.getString("company_address"));
            user.setParking_slots(rs.getInt("parking_slots"));
            user.setPassword(rs.getString("password"));

            return user;
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
    return null;
}
}

```

ParkingDao

```

package com.parkingManagement.dao;

import com.parkingManagement.model.Parking;
import com.parkingManagement.util.DBConnection;
import java.sql.*;
import java.util.ArrayList;
import java.util.List;

public class ParkingDAO {

    // Retrieve all parkings for a specific company
    public List<Parking> getAllParkings(String companyName) {
        List<Parking> parkingList = new ArrayList<>();
        String query = "SELECT * FROM parking WHERE company_name=?";

        try (Connection conn = DBConnection.getConnection();
            PreparedStatement stmt = conn.prepareStatement(query)) {

            stmt.setString(1, companyName);
            ResultSet rs = stmt.executeQuery();

            while (rs.next()) {
                Parking parking = new Parking();
                parking.setId(rs.getInt("id"));
                parking.setVehicleNumber(rs.getString("vehicle_number"));
                parking.setDuration(rs.getInt("duration"));
                parking.setCompanyName(rs.getString("company_name"));
                parking.setEntryTime(rs.getTimestamp("entry_time"));
                parking.setExitTime(rs.getTimestamp("exit_time"));
                parking.setFine(rs.getDouble("fine"));

                parkingList.add(parking);
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
        return parkingList;
    }

    // Add new parking record
    public void addParking(Parking parking) {

```



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String query = "INSERT INTO parking (vehicle_number, duration, company_name, entry_time, exit_time, fine) VALUES (?, ?, ?, ?, ?, ?)";

```
try (Connection conn = DBConnection.getConnection();
    PreparedStatement stmt = conn.prepareStatement(query)) {
```

```
    stmt.setString(1, parking.getVehicleNumber());
    stmt.setInt(2, parking.getDuration());
    stmt.setString(3, parking.getCompanyName());
    stmt.setTimestamp(4, parking.getEntryTime());
    stmt.setTimestamp(5, parking.getExitTime());
    stmt.setDouble(6, parking.getFine());
```

```
    stmt.executeUpdate();
} catch (SQLException e) {
    e.printStackTrace();
}
```

// Update parking record

```
public void updateParking(Parking parking) {
```

```
    String query = "UPDATE parking SET vehicle_number=?, duration=?, entry_time=?, exit_time=?, fine=? WHERE id=?";
```

```
try (Connection conn = DBConnection.getConnection();
    PreparedStatement stmt = conn.prepareStatement(query)) {
```

```
    stmt.setString(1, parking.getVehicleNumber());
    stmt.setInt(2, parking.getDuration());
    stmt.setTimestamp(3, parking.getEntryTime());
    stmt.setTimestamp(4, parking.getExitTime());
    stmt.setDouble(5, parking.getFine());
    stmt.setInt(6, parking.getId());
```

```
    stmt.executeUpdate();
} catch (SQLException e) {
    e.printStackTrace();
}
```

// Delete parking record

```
public void deleteParking(int id) {
```

```
    String query = "DELETE FROM parking WHERE id=?";
```

```
try (Connection conn = DBConnection.getConnection();
    PreparedStatement stmt = conn.prepareStatement(query)) {
```

```
    stmt.setInt(1, id);
    stmt.executeUpdate();
} catch (SQLException e) {
    e.printStackTrace();
}
```

```
}
```

VehicleTypeDao

```
package com.parkingManagement.dao;
```

```
import com.parkingManagement.model.VehicleType;
import java.sql.*;
import java.util.ArrayList;
import java.util.List;
```

```
public class VehicleTypeDAO {
    private Connection connection;
```

```
    public VehicleTypeDAO(Connection connection) {
        this.connection = connection;
    }
```

// Method to save vehicle pricing to the database

```
public boolean saveVehiclePricing(VehicleType vehicleType) {
```

```
    String query = "INSERT INTO vehicle_types (company_id, vehicle_type, vehicle_charge, fine) VALUES (?, ?, ?, ?)";
```

```
try (PreparedStatement stmt = connection.prepareStatement(query)) {
```

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```

stmt.setString(1, vehicleType.getCompanyId());
stmt.setString(2, vehicleType.getVehicleType());
stmt.setString(3, vehicleType.getVehicleCharge());
stmt.setString(4, vehicleType.getFine());
return stmt.executeUpdate() > 0;
} catch (SQLException e) {
    e.printStackTrace();
    return false;
}
}

// Method to get all vehicle types for a specific company
public List<VehicleType> getVehicleTypesByCompanyId(int companyId) {
    List<VehicleType> vehicleTypes = new ArrayList<>();
    String query = "SELECT * FROM vehicle_types WHERE company_id = ?";
    try (PreparedStatement stmt = connection.prepareStatement(query)) {
        stmt.setInt(1, companyId);
        ResultSet rs = stmt.executeQuery();
        while (rs.next()) {
            VehicleType vehicleType = new VehicleType();
            vehicleType.setId(rs.getInt("id"));
            vehicleType.setCompanyId(rs.getInt("company_id"));
            vehicleType.setVehicleType(rs.getString("vehicle_type"));
            vehicleType.setVehicleCharge(rs.getDouble("vehicle_charge"));
            vehicleType.setFine(rs.getDouble("fine"));
            vehicleTypes.add(vehicleType);
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
    return vehicleTypes;
}
}

```

Servlets :

Login

`package com.parkingManagement.servlets;`

```

import com.parkingManagement.dao.UserDao;
import com.parkingManagement.model.Users;

```

```

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

```

`@WebServlet("/login")`

```

public class Login extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private UserDao userDao = new UserDao();

```

```



    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        String email = request.getParameter("email");
        String password = request.getParameter("password");

```

```

        Users user = userDao.loginUser(email, password);
        if (user != null) {
            HttpSession session = request.getSession();
            session.setAttribute("user", user);
            response.sendRedirect("dashboard.jsp");
        } else {

```

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```

        response.sendRedirect("SignIn-page.jsp.jsp?error=Invalid credentials");
    }
}
}

```

Logout

```

package com.parkingManagement.servlets;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

@WebServlet("/logout")
public class LogoutServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        HttpSession session = request.getSession(false);
        if (session != null) {
            session.invalidate(); // Destroy the session
        }
        response.sendRedirect("SignIn-page.jsp"); // Redirect to login page after logout
    }
}

```

Parking

```

package com.parkingManagement.servlets;



import com.parkingManagement.dao.ParkingDAO;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/ParkingServlet")
public class ParkingServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private ParkingDAO parkingDAO = new ParkingDAO();

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String action = request.getParameter("action");

        if ("delete".equals(action)) {
            int id = Integer.parseInt(request.getParameter("id"));
            parkingDAO.deleteParking(id);
        }
    }
}

```


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Signup

package com.parkingManagement.servlets;

```
import com.parkingManagement.dao.UserDao;
import com.parkingManagement.model.Users;
```

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
@WebServlet("/signup")
```

```
public class SignUp extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private UserDao userDao = new UserDao();
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    String companyName = request.getParameter("company_name");
    String companyEmail = request.getParameter("company_email");
    String companyPhone = request.getParameter("company_phone");
    String companyAddress = request.getParameter("company_address");
    int parkingSlots = Integer.parseInt(request.getParameter("parking_slots"));
    String password = request.getParameter("password");
```

```
    Users newUser = new Users(companyName, companyEmail, companyPhone, companyAddress, parkingSlots, password);
```

```
    if (userDao.registerUser(newUser)) {
        response.sendRedirect("SignIn-page.jsp");
    } else {
        response.sendRedirect("signup.jsp?error=Registration failed");
    }
}
```

VehicleServlet

package com.parkingManagement.servlets;

```
import com.parkingManagement.dao.VehicleTypeDAO;
import com.parkingManagement.model.Users;
import com.parkingManagement.model.VehicleType;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;
import java.io.IOException;
import java.sql.Connection;
import java.util.List;
```

```
@WebServlet("/Vehicle")
```



```
public class VehicleServlet extends HttpServlet {
```

```
    @Override
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    try {
        // Get the user session
        HttpSession session = request.getSession();
        Users user = (Users) session.getAttribute("user");

        // Check if user session exists
        if (user == null) {
            response.getWriter().println("Error: User session not found. Please log in.");
            return;
        }
    }
```

```
    int companyId = user.getId();
    if (companyId <= 0) {
```

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```
response.getWriter().println("Error: Invalid company ID.");
return;
```

```
}
```

```
// Get vehicle pricing details from the form
```

```
String[] vehicleTypes = request.getParameterValues("vehicle_type[]");
```

```
String[] prices = request.getParameterValues("price[]");
```

```
String[] fines = request.getParameterValues("fine[]");
```

```
// Get database connection
```

```
Connection connection = (Connection) getServletContext().getAttribute("DBConnection");
```

```
if (connection == null) {
```

```
    response.getWriter().println("Error: Database connection not found.");
```

```
    return;
```

```
}
```

```
VehicleTypeDAO vehicleTypeDAO = new VehicleTypeDAO(connection);
```

```
// Loop through and save each vehicle type
```

```
for (int i = 0; i < vehicleTypes.length; i++) {
```

```
    VehicleType vehicleType = new VehicleType();
```

```
    vehicleType.setCompanyId(companyId);
```

```
    vehicleType.setVehicleType(vehicleTypes[i]);
```

```
    vehicleType.setVehicleCharge(Double.parseDouble(prices[i]));
```

```
    vehicleType.setFine(Double.parseDouble(fines[i]));
```

```
    boolean isInserted = vehicleTypeDAO.saveVehiclePricing(vehicleType);
```

```
    System.out.println("Inserted: " + isInserted + " for " + vehicleTypes[i]);
```

```
    if (!isInserted) {
```

```
        response.getWriter().println("Error: Could not insert " + vehicleTypes[i]);
```

```
        return;
```

```
    }
```

```
}
```

```
// Redirect after saving
```

```
response.sendRedirect("vehicles.jsp");
```

```
} catch (Exception e) {
```

```
    e.printStackTrace();
```

```
    response.sendError(HttpServletResponse.SC_INTERNAL_SERVER_ERROR, "Error while processing the request");
```

```
}
```

```
}
```

Util :

DBConnection

```
package com.parkingManagement.util;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.SQLException;
```

```
public class DBConnection {
```

```
    private static final String URL = "jdbc:mysql://localhost:3306/parking_management";
```

```
    private static final String USER = "root";
```

```
    private static final String PASSWORD = "";
```

```
    static{
```

```
        try{
```

```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
        }
```

```
        catch (ClassNotFoundException e) {
```

```
            throw new RuntimeException(e);
```

```
    }
```



```
}
```

```
public static Connection getConnection() throws SQLException {
```

```
    return DriverManager.getConnection(URL, USER, PASSWORD);
```

```
}
```

```
}
```

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Dashboard.jsp

```
<%@ page import="com.parkingManagement.model.Users, com.parkingManagement.model.Parking, com.parkingManagement.dao.ParkingDAO,
java.util.List" %>
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
```

```
<%
// Check if session exists, else redirect to login page
Users user = (Users) session.getAttribute("user");
if (user == null) {
    response.sendRedirect("SignIn-page.jsp");
    return;
}

// Fetch parking details from database
ParkingDAO parkingDAO = new ParkingDAO();
List<Parking> parkingList = parkingDAO.getAllParkings(user.getCompanyName());
%>
```

```
<!DOCTYPE html>
<html>
<head>
<title>Company Portal</title>
<style>
    body {
        font-family: Arial, sans-serif;
        background-color: #f4f4f4;
        margin: 0;
        padding: 0;
    }
    .navbar {
        background-color: #007bff;
        color: white;
        padding: 15px;
        display: flex;
        justify-content: space-between;
        align-items: center;
    }
    .navbar .company-name {
        font-size: 22px;
        font-weight: bold;
    }
    .navbar .nav-buttons {
        display: flex;
    }
    .navbar .btn {
        padding: 10px 15px;
        margin-left: 10px;
        border: none;
        cursor: pointer;
        border-radius: 5px;
        color: white;
        font-size: 14px;
        text-decoration: none;
    }
    .add-vehicle { background-color: #28a745; }
    .add-parking { background-color: #17a2b8; }
    .logout-btn { background-color: red; }
    .btn:hover { opacity: 0.8; }
    .container {
        width: 80%;
        margin: 50px auto;
        background: white;
        padding: 20px;
        border-radius: 10px;
        box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    }
    table {
        width: 100%;
        border-collapse: collapse;
    }
```



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```
margin-top: 20px;
}
table, th, td {
    border: 1px solid #ddd;
}
th, td {
    padding: 10px;
    text-align: center;
}
th {
    background-color: #007bff;
    color: white;
}
.action-btn {
    padding: 5px 10px;
    border: none;
    cursor: pointer;
    border-radius: 5px;
    font-size: 14px;
}
.edit-btn { background-color: #ffc107; }
.delete-btn { background-color: #dc3545; }
</style>
</head>
<body>
<div class="navbar">
<div class="company-name"><%= user.getCompanyName() %></div>
<div class="nav-buttons">
<a href="vehicles.jsp" class="btn add-vehicle">Add Vehicle</a>
<a href="Parking.jsp" class="btn add-parking">Add Parking</a>
<form action="logout" method="post" style="display: inline;">
<button type="submit" class="btn logout-btn">Logout</button>
</form>
</div>
</div>
<div class="container">
<h2>Parked Vehicles</h2>
<table>
<tr>
<th>ID</th>
<th>Vehicle Number</th>
<th>Duration (mins)</th>
<th>Entry Time</th>
<th>Exit Time</th>
<th>Fine</th>
<th>Actions</th>
</tr>
<% for (Parking parking : parkingList) { %>
<tr>
<td><%= parking.getId() %></td>
<td><%= parking.getVehicleNumber() %></td>
<td><%= parking.getDuration() %></td>
<td><%= parking.getEntryTime() %></td>
<td><%= parking.getExitTime() != null ? parking.getExitTime() : "N/A" %></td>
<td><%= parking.getFine() %></td>
<td>
<a href="<%= parking.getId() %>" class="action-btn edit-btn">Edit</a>
<a href="ParkingServlet?action=delete&id=<%= parking.getId() %>" class="action-btn delete-btn" onclick="return confirm('Are you
sure?')">Delete</a>
</td>
</tr>
<% } %>
</table>
</div>
</body>
</html>
```

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Editparking.jsp

```
<%@ page import="com.parkingManagement.dao.ParkingDAO, com.parkingManagement.model.Parking" %>
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<%
    int parkingId = Integer.parseInt(request.getParameter("id"));
    ParkingDAO parkingDAO = new ParkingDAO();
    Parking parking = parkingDAO.getParkingById(parkingId);
%>

<!DOCTYPE html>
<html>
<head>
    <title>Edit Parking</title>
</head>
<body>
    <h2>Edit Parking Details</h2>
    <form action="ParkingServlet" method="post">
        <input type="hidden" name="id" value="<%= parking.getId() %%">
        Vehicle Number: <input type="text" name="vehicleNumber" value="<%= parking.getVehicleNumber() %%" required><br>
        Duration (mins): <input type="number" name="duration" value="<%= parking.getDuration() %%" required><br>
        <input type="hidden" name="action" value="update">
        <button type="submit">Update Parking</button>
    </form>
</body>
</html>
```

Parking.jsp

```
<%@ page import="com.parkingManagement.model.Users" %>
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<%
    // Check if session exists, else redirect to login page
    Users user = (Users) session.getAttribute("user");
    if (user == null) {
        response.sendRedirect("SignIn-page.jsp");
        return;
    }
%>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Park Vehicle</title>
</head>
<body>
    <h2>Vehicle Parking Form</h2>

    <form action="ParkingServlet" method="post">
        <input type="hidden" name="action" value="add"> <!-- Action type for servlet -->

        <label>Vehicle Number:</label>
        <input type="text" name="vehicleNumber" required><br><br>

        <label>Duration (minutes):</label>
        <input type="number" name="duration" required><br><br>



        <label>Entry Time:</label>
        <input type="datetime-local" name="entryTime" required><br><br>

        <!-- Hidden input for company name (stored as per database field) -->
        <input name="companyName" value="<%= user.getCompanyName() %%">

        <!-- Exit time is initially NULL, so it won't be included in the form -->

        <!-- Fine is default 0.0 and will be managed via backend logic -->

        <input type="submit" value="Park Vehicle">
    </form>
</body>
```

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</html>

Signin-page.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<title>Login</title>
</head>
<body>
<form action="login" method="post">
Email: <input type="email" name="email" required><br>
Password: <input type="password" name="password" required><br>
<button type="submit">Login</button>
</form>
</body>
</html>
```

SignUp-page.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<title>Sign Up</title>
</head>
<body>
<form action="signup" method="post">
Company Name: <input type="text" name="company_name" required><br>
Email: <input type="email" name="company_email" required><br>
Phone: <input type="text" name="company_phone" required><br>
Address: <input type="text" name="company_address" required><br>
Parking Slots: <input type="number" name="parking_slots" required><br>
Password: <input type="password" name="password" required><br>
<button type="submit">Sign Up</button>
</form>
</body>
</html>
```

Vehicles.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<%@ page import="com.parkingManagement.model.Users" %>
<%
// Check if session exists, else redirect to login page
Users user = (Users) session.getAttribute("user");
if (user == null) {
response.sendRedirect("SignIn-page.jsp");
return;
}
%>
<!DOCTYPE html>
<html>
<head>
<title>Admin Panel - Vehicle Pricing</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
margin: 0;
padding: 0;
}
.navbar {
background-color: #007bff;
color: white;
padding: 15px;
display: flex;
```

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```
justify-content: space-between;
align-items: center;
}
.navbar .company-name {
    font-size: 22px;
    font-weight: bold;
}
.navbar .nav-buttons {
    display: flex;
}
.navbar .btn {
    padding: 10px 15px;
    margin-left: 10px;
    border: none;
    cursor: pointer;
    border-radius: 5px;
    color: white;
    font-size: 14px;
    text-decoration: none;
}
.add-vehicle { background-color: #28a745; }
.add-parking { background-color: #17a2b8; }
.logout-btn { background-color: red; }
.btn:hover { opacity: 0.8; }
</style>
<script>
// Function to dynamically add vehicle pricing fields
function addPricingFields() {
    var container = document.getElementById("pricing-items");
    var newItem = document.createElement("div");
    newItem.className = "pricing-item";

    newItem.innerHTML = `
        <input type="text" name="vehicle_type[]" placeholder="Vehicle Type" required>
        <input type="number" name="price[]" placeholder="Price" min="0" step="0.01" required>
        <input type="number" name="fine[]" placeholder="Fine Amount" min="0" step="0.01" required>
        <button type="button" onclick="this.parentElement.remove()">Remove</button>
    `;

    container.appendChild(newItem);
}

// Add first item when page loads
window.onload = function() {
    addPricingFields();
};
</script>
</head>
<body>
<div class="navbar">
    <div class="company-name"><%= user.getCompanyName() %></div>
    <div class="nav-buttons">
        <a href="vehicles.jsp" class="btn add-vehicle">Add Vehicle</a>
        <a href="Parking.jsp" class="btn add-parking">Add Parking</a>
        <form action="logout" method="post" style="display: inline;">
            <button type="submit" class="btn logout-btn">Logout</button>
        </form>
    </div>
</div>
<div class="pricing-container">
    <h2 class="pricing-header">Vehicle Pricing Setup</h2>

    <form action="Vehicle" method="POST">
        <div class="pricing-table-header">
            <div class="pricing-item" style="background-color: #f2f2f2; font-weight: bold;">
                <span style="flex: 1; padding: 0 8px;">Vehicle Type</span>
                <span style="flex: 1; padding: 0 8px;">Parking Price (Per Day)</span>
                <span style="flex: 1; padding: 0 8px;">Fine Amount (Per Day)</span>
                <span style="width: 80px;"></span>
            </div>
        </div>
    </form>
</div>
```

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```

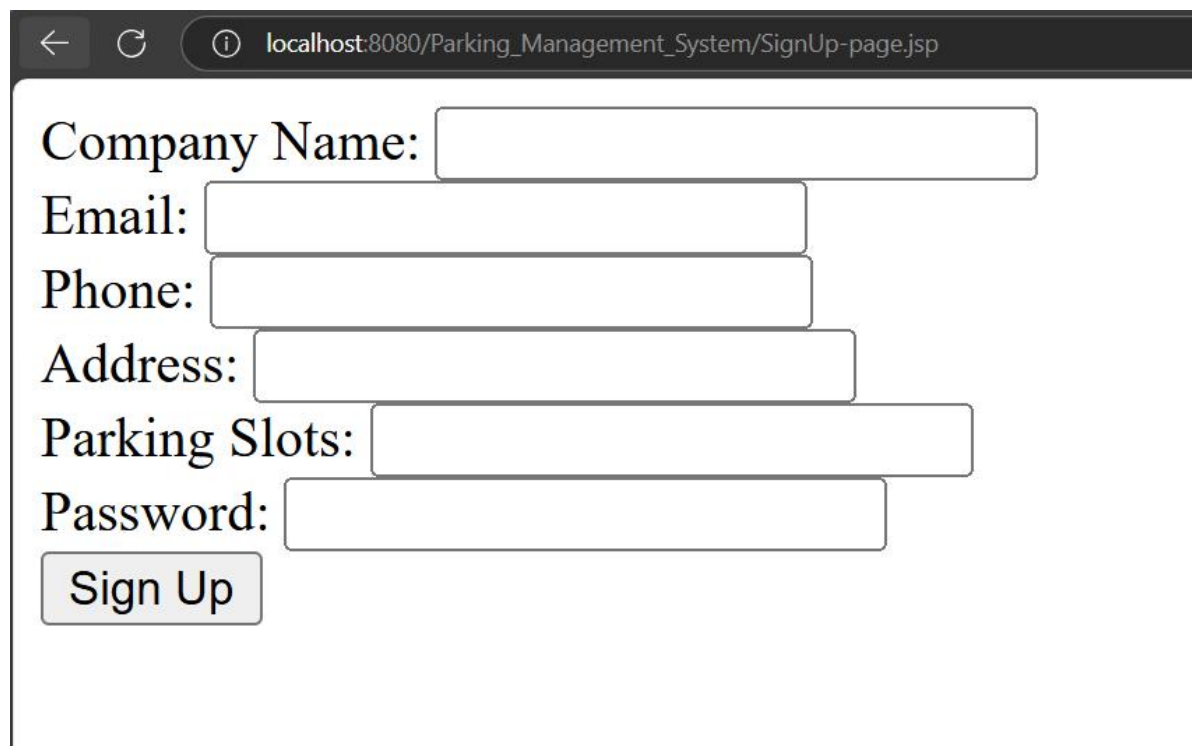
</div>
</div>

<div id="pricing-items">
  <!-- Dynamic pricing items will be added here -->
</div>

<div class="button-row">
  <button type="button" class="add-button" onclick="addPricingFields()">Add Vehicle Type</button>
  <button type="submit" class="save-button">Save Pricing</button>
</div>
</form>
</div>
</body>
</html>

```

OUTPUT



Company Name:

Email:

Phone:

Address:

Parking Slots:

Password:


Sign Up



Email:

Password:

Login

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Eithad Airways

Add Vehicle

Add Parking

Logout

Parked Vehicles

ID	Vehicle Number	Duration (mins)	Entry Time	Exit Time	Fine	Actions
1	GJ02	12	2025-04-01 15:47:32.0	N/A	0.0	<div>Edit</div> <div>Delete</div>

Eithad Airways

Vehicle Pricing Setup

Vehicle Type

Parking Price (Per Day)

Fine Amount (Per Day)

Vehicle Type

Price

Fine Amount

Remove

Add Vehicle Type

Save Pricing

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← ↻ ⓘ localhost:8080/Parking_Management_System/Parking.jsp

Vehicle Parking Form

Vehicle Number:

Duration (minutes):

Entry Time: 

Eithad Airways

Park Vehicle

← Server: 127.0.0.1 » Database: parking_management » Table: users

 Browse  Structure  SQL  Search  Insert  Export  Import  Privileges  Operations  Triggers













✓ Showing rows 0 - 3 (4 total, Query took 0.0006 seconds.)

[SELECT](#) * FROM `users`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: | Filter rows: | Sort by key:

Extra options

				id	company_name	company_email	company_phone	company_address	parking_slots	password
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	Eithad Airways	<div>csk@gmail.co</div>	9977777777	1	10	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	Prashant	prashant@gmail.com	9977777777	sdsd	10	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	9	PRA	prashant@gmail.com	9977777777	sdd	10	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	Prashant	prashant@gmail.com	09316163578	sdsd	12	123123

↑ ☐ Check all With selected:  Edit  Copy  Delete  Export

				id	vehicle_number	duration	company_name	entry_time	exit_time	fine
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	GJ02	12	Eithad Airways	2025-04-01 15:47:32	NULL	0
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	GJ02	12	7	2025-04-01 15:48:17	NULL	0
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	GJ03PC	20	7	2025-04-01 15:50:56	NULL	0