

COM.HOTEL.MODEL (javabeans)

Booking.java

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
package com.hotel.model;

import java.io.Serializable;

public class Booking implements Serializable{

    //Private variable
    private String guest_id;
    private String room_no;
    private String checkin_date;
    private String checkout_date;
    private String no_of_nights;

    //Constructor
    public Booking(){

    }

    public Booking(String guest_id, String room_no, String checkin_date, String checkout_date, String
no_of_nights) {
    this.guest_id = guest_id;
    this.room_no = room_no;
    this.checkin_date = checkin_date;
    this.checkout_date = checkout_date;
    this.no_of_nights = no_of_nights;
    }

    //getter
    public String getGuest_id() {
    return guest_id;
    }

    public String getRoom_no() {
    return room_no;
    }

    public String getCheckin_date() {
    return checkin_date;
    }

    public String getCheckout_date() {
    return checkout_date;
    }

    public String getNo_of_nights() {
    return no_of_nights;
    }
}
```

```

}

//setter
public void setGuest_id(String guest_id) {
this.guest_id = guest_id;
}

public void setRoom_no(String room_no) {
this.room_no = room_no;
}

public void setCheckin_date(String checkin_date) {
this.checkin_date = checkin_date;
}

public void setCheckout_date(String checkout_date) {
this.checkout_date = checkout_date;
}

public void setNo_of_nights(String no_of_nights) {
this.no_of_nights = no_of_nights;
}

}

```

Employee.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
package com.hotel.model;

import java.io.Serializable;

public class Employee implements Serializable {

//Private variable

private String emp_name;

private String emp_age;
private String emp_gender;

private String emp_phone;

private String emp_address;

```

```
private String emp_bod;
```

```
//Constructor
```

```
public Employee(){}
```

```
public Employee(String emp_name, String emp_age, String emp_gender, String emp_phone, String  
emp_address, String emp_bod)
```

```
{
```

```
this.emp_name = emp_name;
```

```
this.emp_age = emp_age;
```

```
this.emp_gender = emp_gender;
```

```
this.emp_phone = emp_phone;
```

```
this.emp_address = emp_address;
```

```
this.emp_bod = emp_bod;
```

```
}
```

```
//Getter
```

```
public String getEmp_name() {
```

```
return emp_name;
```

```
}
```

```
public String getEmp_age() {
```

```
return emp_age;
```

```
}
```

```
public String getEmp_gender() {
```

```
return emp_gender;
```

```
}
```

```
public String getEmp_phone() {
```

```
return emp_phone;
```

```
}
```

```
public String getEmp_address() {  
    return emp_address;  
}
```

```
public String getEmp_bod() {  
    return emp_bod;  
}
```

```
//setter  
public void setEmp_name(String emp_name) {  
    this.emp_name = emp_name;  
}
```

```
public void setEmp_age(String emp_age) {  
    this.emp_age = emp_age;  
}
```

```
public void setEmp_gender(String emp_gender) {  
    this.emp_gender = emp_gender;  
}
```

```
public void setEmp_phone(String emp_phone) {  
    this.emp_phone = emp_phone;  
}
```

```
public void setEmp_address(String emp_address) {  
    this.emp_address = emp_address;  
}
```

```
public void setEmp_bod(String emp_bod) {  
    this.emp_bod = emp_bod;  
}
```

```
}
```

```
}
```

Guest.java

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
package com.hotel.model;

import java.io.Serializable;

public class Guest implements Serializable {

    //Private variable
    private String guest_name;
    private String guest_age;
    private String guest_gender;
    private String guest_phone;

    //Constructor
    public Guest(){}

    public Guest(String guest_name, String guest_age, String guest_gender, String guest_phone) {
        this.guest_name = guest_name;
        this.guest_age = guest_age;
        this.guest_gender = guest_gender;
        this.guest_phone = guest_phone;
    }

    //Getter
    public String getGuest_name() {
        return guest_name;
    }

    public String getGuest_age() {
        return guest_age;
    }

    public String getGuest_gender() {
        return guest_gender;
    }

    public String getGuest_phone() {
        return guest_phone;
    }

    //Setter
    public void setGuest_name(String guest_name) {
```

```

this.guest_name = guest_name;
}

public void setGuest_age(String guest_age) {
this.guest_age = guest_age;
}

public void setGuest_gender(String guest_gender) {
this.guest_gender = guest_gender;
}

public void setGuest_phone(String guest_phone) {
this.guest_phone = guest_phone;
}

}

```

Room.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
package com.hotel.model;

import java.io.Serializable;

public class Room implements Serializable {

    //Private variable
    private String room_type;
    private String room_rates;
    private String room_status;

    //Constructor
    public Room(){}

    public Room(String room_type, String room_rates, String room_status) {
this.room_type = room_type;
this.room_rates = room_rates;
this.room_status = room_status;
}

    //Getter

    public String getRoom_type() {
return room_type;
}

    public String getRoom_rates() {
return room_rates;
}
}

```

```

public String getRoom_status() {
return room_status;
}

//Setter
public void setRoom_type(String room_type) {
this.room_type = room_type;
}

public void setRoom_rates(String room_rates) {
this.room_rates = room_rates;
}

public void setRoom_status(String room_status) {
this.room_status = room_status;
}

}

```

LoginBean.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template */
package com.hotel.bean;

import java.io.Serializable;

public class LoginBean implements Serializable{
private String username;
private String password;

//constructor
public LoginBean(){

}

public LoginBean(String username, String password) {
this.username = username;
this.password = password;
}

//getter
public String getUsername() {
return username;
}

public String getPassword() {
return password;
}
}

```

```
//setter

public void setUsername(String username) {
this.username = username;
}

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

public boolean validate(){
if(password.equals("admin"))
{ return true;}
else
{return false;}
}
}
```

COM.HOTEL.CONTROLLER (servlet)

AddBookingServlet.java

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template */
package com.hotel.util;

import com.hotel.model.Booking;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.LinkedList;
import java.util.List;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author user
 */
public class AddBookingServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)
```



```

throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
}

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

    //processRequest(request, response);
    List errorMsgs = new LinkedList();
    Connection con = null;
    Statement statement = null;
    ResultSet resultSet = null;

    try (PrintWriter out = response.getWriter()){

        //retrieve from parameters
        String guest_id = request.getParameter("guest_id");
        String room_no = request.getParameter("room_no");
        String checkin_date = request.getParameter("checkin_date");
        String checkout_date = request.getParameter("checkout_date");
        String no_of_nights = request.getParameter("no_of_nights");

        //form verification
        if( guest_id == null || guest_id.trim().length() == 0)
        {
            errorMsgs.add("Please enter guest ID");
        }

        if( room_no == null || room_no.trim().length() == 0)
        {
            errorMsgs.add("Please enter room number");
        }

        if( no_of_nights == null || no_of_nights.trim().length() == 0)
        {
            errorMsgs.add("Please enter number of night(s)");
        }

        if( checkin_date == null || checkin_date.trim().length() == 0)
        {
            errorMsgs.add("Please enter a check-in date");
        }

        if( checkout_date == null || checkout_date.trim().length() == 0){
            errorMsgs.add("Please enter a check-out date");
        }

        //error message request dispatcher
        if (!errorMsgs.isEmpty()){
            request.setAttribute("ErrorMsgs", errorMsgs);
        }
    }
}

```

```

RequestDispatcher view = request.getRequestDispatcher("/error.jsp");
view.forward(request, response);
return;
}

//Initialize the database
con = DBConnection.createConnection();

//SQL
PreparedStatement stl= con.prepareStatement("select max(book_id)+1 from booking");
ResultSet rs = stl.executeQuery();
String book_id = "";
while (rs.next())
{
    book_id = rs.getString(1);
}
String sql= "Insert into booking (book_id, guest_id, room_no, checkin_date, checkout_date,
no_of_nights)";
PreparedStatement st= con.prepareStatement(sql);
st.setString (1, book_id);
st.setString (2, guest_id);
st.setString (3, room_no);
st.setString (4, checkin_date);
st.setString (5, checkout_date);
st.setString (6, no_of_nights);
st.executeUpdate();

st.close();
con.close();

//Business Logic
Booking b = new Booking(guest_id, room_no, checkin_date, checkout_date, no_of_nights);
//store the item on the request-scope
request.setAttribute("book_id", book_id);
request.setAttribute("b", b);

//dispatch to success view
RequestDispatcher view = request.getRequestDispatcher("/success.jsp");
view.forward(request, response);
//Handle any unexpected expectations
} catch (RuntimeException e)
{
    errorMsgs.add("An unexpected error:" + e.getMessage());
    request.setAttribute("errorMsgs", errorMsgs);
    RequestDispatcher view =
    request.getRequestDispatcher("/Error.jsp");
    view.forward(request, response);

} catch (SQLException ex) {
    Logger.getLogger(AddEmployeeServlet.class.getName()).log(Level.SEVERE, null, ex); }

```

```

}

@Override
public String getServletInfo() {
    return "Short Description";
} // </editor-fold>
}

```

AddGuestServlet.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template */
package com.hotel.controller;

import com.hotel.model.Guest;
import com.hotel.util.DBConnection;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.LinkedList;
import java.util.List;
import java.util.logging.Level;
import java.util.logging.Logger;
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

/**
 *
 * @author user
 */
public class AddGuestServlet extends HttpServlet {

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
    }

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

```

```

//processRequest(request, response);
List errorMsgs = new LinkedList();
Connection con = null;
Statement statement = null;
ResultSet resultset = null;

try (PrintWriter out = response.getWriter()){

//retrieve from parameters
String guest_name = request.getParameter("guest_name");
String guest_age = request.getParameter("guest_age");
String guest_gender = request.getParameter("guest_gender");
String guest_phone = request.getParameter("guest_phone");

//form verification
if( guest_name == null || guest_name.trim().length() == 0){
errorMsgs.add("Please enter guest's name");
}

if( guest_age == null || guest_age.trim().length() == 0){
errorMsgs.add("Please enter guest's age");
}

if( guest_gender == null || guest_gender.trim().length() == 0){
errorMsgs.add("Please enter guest's gender");
}

if( guest_phone == null || guest_phone.trim().length() == 0){
errorMsgs.add("Please enter guest's phone number");
}

//error message request dispatcher
if (!errorMsgs.isEmpty()){
request.setAttribute("ErrorMsgs", errorMsgs);
RequestDispatcher view = request.getRequestDispatcher("/error.jsp");
view.forward(request, response);
return;
}

//Initialize the database
con = DBConnection.createConnection();

//SQL
PreparedStatement stl= con.prepareStatement("select max(guest_id)+1 from guest");
ResultSet rs = stl.executeQuery();
String guest_id = "";
while (rs.next())
{
guest_id = rs.getString(1);
}

```

```

String sql= "Insert into guest (guest_id, guest_name, guest_age, guest_gender, guest_phone)";
PreparedStatement st= con.prepareStatement(sql);
st.setString (1, guest_id);
st.setString (2, guest_name);
st.setString (3, guest_age);
st.setString (4, guest_gender);
st.setString (5, guest_phone);
st.executeUpdate();

st.close();
con.close();

```

```

//Business Logic
Guest g = new Guest(guest_name, guest_age, guest_gender, guest_phone);
//store the item on the request-scope
request.setAttribute("guest_id", guest_id);
request.setAttribute("g", g);

```

```

//dispatch to success view
RequestDispatcher view = request.getRequestDispatcher("/success.jsp");
view.forward(request, response);
//Handle any unexpected expectations
} catch (RuntimeException e)
{
    errorMsgs.add("An unexpected error:" + e.getMessage());
    request.setAttribute("errorMsgs", errorMsgs);
    RequestDispatcher view =
    request.getRequestDispatcher("/add_dvd.view");
    view.forward(request, response);

```

```

} catch (SQLException ex) {
    Logger.getLogger(AddEmployeeServlet.class.getName()).log(Level.SEVERE, null, ex); }
}

```

```

@Override
public String getServletInfo() {
    return "Short Description";
} // </editor-fold>
}

```

AddEmployeeServlet.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template */
package com.hotel.controller;

import com.hotel.model.Employee;
import com.hotel.util.DBConnection;
import java.io.IOException;

```

```

import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.LinkedList;
import java.util.List;
import java.util.logging.Level;
import java.util.logging.Logger;
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

/**
 *
 * @author user
 */
public class AddEmployeeServlet extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
    }

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

        //processRequest(request, response);
        List errorMsgs = new LinkedList();
        Connection con = null;
        Statement statement = null;
        ResultSet resultset = null;

        try (PrintWriter out = response.getWriter()){

            //retrieve from parameters
            String emp_name = request.getParameter("emp_name");
            String emp_age = request.getParameter("emp_age");
            String emp_gender = request.getParameter("emp_gender");
            String emp_phone = request.getParameter("emp_phone");
            String emp_address = request.getParameter("emp_address");
            String emp_bod = request.getParameter("emp_bod");

            //form verification
            if( emp_name == null || emp_name.trim().length() == 0){
                errorMsgs.add("Please enter employee's name");
            }

```

```

if( emp_age == null || emp_age.trim().length() == 0){
errorMsgs.add("Please enter employee's age");
}

if( emp_gender == null || emp_gender.trim().length() == 0){
errorMsgs.add("Please enter employee's gender");
}

if( emp_phone == null || emp_phone.trim().length() == 0){
errorMsgs.add("Please enter employee's phone number");
}

if( emp_address == null || emp_address.trim().length() == 0){
errorMsgs.add("Please enter employee's address");
}

if( emp_bod== null || emp_bod.trim().length() == 0){
errorMsgs.add("Please enter employee's birth of date");
}

else if (!emp_bod.trim().matches("\\d\\d\\d\\d")){
errorMsgs.add("Please enter a valid date.");
}

//error message request dispatcher
if (!errorMsgs.isEmpty()){
request.setAttribute("ErrorMsgs", errorMsgs);
RequestDispatcher view = request.getRequestDispatcher("/error.jsp");
view.forward(request, response);
return;
}

//Initialize the database
con = DBConnection.createConnection();

//SQL
PreparedStatement stl= con.prepareStatement("select max(emp_id)+1 from employee");
ResultSet rs = stl.executeQuery();
String emp_id = "";
while (rs.next())
{
emp_id = rs.getString(1);
}
String sql= "Insert into employee (emp_id,emp_name, emp_age, emp_gender, emp_phone,
emp_address, emp_bod)";
PreparedStatement st= con.prepareStatement(sql);
st.setString (1, emp_id);
st.setString (2, emp_name);
st.setString (3, emp_age);

```

```

st.setString (4, emp_gender);
st.setString (5, emp_phone);
st.setString (6, emp_address);
st.setString (7, emp_bod);
st.executeUpdate();

st.close();
con.close();

//Business Logic
Employee e = new Employee(emp_name, emp_age,emp_gender,emp_phone,emp_address, emp_bod);
//store the item on the request-scope
request.setAttribute("emp_id", emp_id);
request.setAttribute("e", e);

//dispatch to success view
RequestDispatcher view = request.getRequestDispatcher("/success.jsp");
view.forward(request, response);
//Handle any unexpected expectations
} catch (RuntimeException e)
{
    errorMsgs.add("An unexpected error:" + e.getMessage());
    request.setAttribute("errorMsgs", errorMsgs);
    RequestDispatcher view =
    request.getRequestDispatcher("/add_dvd.view");
    view.forward(request, response);

} catch (SQLException ex) {
    Logger.getLogger(AddEmployeeServlet.class.getName()).log(Level.SEVERE, null, ex); }
}

@Override
public String getServletInfo() {
    return "Short Description";
} // </editor-fold>
}

```

LoginServlet.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template */
package com.hotel.controller;

import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

```



```

import com.hotel.bean.LoginBean;
import com.hotel.dao.LoginDao;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

/**
 *
 * @author user
 */
public class LoginServlet extends HttpServlet {

    public LoginServlet(){

    }

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try ( PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Login Servlet</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<center><h1>Successfully Login on Marriot Hotel Management System</h1>");
            out.println("<h1><form method=\"get\" action=\"index.jsp\"></h1>"); out.println("<input
            type=\"submit\" name=\"Submit\" value=\"HOME\">\n"); out.println("</form></center>");
            out.println("</body>");
            out.println("</html>");
        }
    }

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)

```

```

throws ServletException, IOException {
    try{
        processRequest(request, response);
        String username= request.getParameter("username");
        String password= request.getParameter("password");

        //create object for LoginBean class
        LoginBean loginBean = new LoginBean();

        //setting username and password through LoginBean object
        loginBean.setUsername(username);
        loginBean.setPassword(password);

        //create object for LoginDao
        LoginDao loginDao = new LoginDao();

        //calling authenticate user function
        String userValidate=loginDao.authenticateUser(loginBean);

        if(userValidate.equals("SUCCESS"))
        {
            request.setAttribute("username", username);
            request.getRequestDispatcher("/LoginSuccess.jsp").forward(request, response); }

        else
        {
            request.setAttribute("errorMsgs", userValidate);
            request.getRequestDispatcher("/LoginError.jsp").forward(request, response); }
        }
        catch (SQLException ex) {
            Logger.getLogger(LoginServlet.class.getName()).log(Level.SEVERE, null, ex); }
        }

    @Override
    public String getServletInfo() {
        return "Short description";
    }
}

```

View (JSPs)

Index.jsp

```

<%--
Document : home
Created on : 12 Jul 2022, 7:25:24 AM
Author : user
--%>

<%@page contentType="text/html" pageEncoding="windows-1252"%>
<!DOCTYPE html>

```

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Marriot Hotel</title>
  <style>

    * {box-sizing: border-box;}

    /* Style the navbar */
    .topnav {
      overflow: hidden;
      background-color: #ccc;
    }

    .topnav ul{
      list-style: none;
      background: #e9e9e9;
      padding: 0;
      margin: 0;
      text-align: center;
    }
    .topnav li{
      display: inline-block;
    }

    /* Navbar links */
    .topnav a {
      float: left;
      display: block;
      color: black;
      text-align: center;
      padding: 14px 16px;
      text-decoration: none;
      font-size: 17px;
    }

    /* Navbar links on mouse-over */
    .topnav a:hover {
      background-color: #ddd;
      color: black;
    }
    /* logout */
    .logoutLblPos{

      position:fixed;
      right:10px;
      top:5px;
    }
  </style>
</head>
</html>
```

```

</style>

</head>
<body>
<form align="right" name="form1" method="post" action="Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>
    <div id="body">
        <div id="featured">
<center>  </center>
        </div>
        <footer> <center> ©2022 by Norfatin Natasha binti Norazman </center></footer>
</body></html>

```

Login.jsp

```

<%@page contentType="text/html" pageEncoding="windows-1252"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<title>Marriot Hotel</title>
<script>
function validate()
{
var username=document.form.username.value;
var password=document.form.password.value;

if(username == null || username == "")
{
alert("Username cannot be blank");
return false;
}
}

```

```

else if(password ==null || password == "")
{
alert("Password cannot be blank");
return false;
}
}
</script>

<style>
/* center entire body */
html, body{
height:100%;
}

html{
display:table;
margin: auto;
}
body {
background-image: url('https://img.freepik.com/free-vector/elegant-white-background-with-shiny
lines_1017-17580.jpg?w=2000');
display: table-cell;
vertical-align: middle;
}
/* The Modal (background) */
.modal {
display: none; /* Hidden by default */
position: fixed; /* Stay in place */
z-index: 1; /* Sit on top */
left: 0;
top: 0;
width: 100%; /* Full width */
height: 100%; /* Full height */
overflow: auto; /* Enable scroll if needed */
background-color: rgb(0,0,0); /* Fallback color */
background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
padding-top: 60px;
}

/* Modal Content/Box */
.modal-content {
background-color: #fefefe;
margin: 5px auto; /* 15% from the top and centered */
border: 1px solid #888;
width: 80%; /* Could be more or less, depending on screen size */ }

/* The Close Button */
.close {
/* Position it in the top right corner outside of the modal */
position: absolute;

```

```

right: 25px;
top: 0;
color: #000;
font-size: 35px;
font-weight: bold;
}

/* Close button on hover */
.close:hover,
.close:focus {
color: red;
cursor: pointer;
}

/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}

/* Add Zoom Animation */
.animate {
-webkit-animation: animatezoom 0.6s;
animation: animatezoom 0.6s
}
@-webkit-keyframes animatezoom {
from {-webkit-transform: scale(0)}
to {-webkit-transform: scale(1)}
}

@keyframes animatezoom {
from {transform: scale(0)}
to {transform: scale(1)}
}
</style>
</head>
<body>
<div id="header">
<center> 
<h1> MARRIOTT HOTEL MANAGEMENT SYSTEM </h1>
</center> </div> <br>
<center> <button onclick="document.getElementById('id01').style.display='block'"
style="width:auto;">LOGIN</button> </center>

<div id="id01" class="modal">
<center>
<form action="<%=request.getContextPath()%>/LoginServlet" class="modal-content animate" name="form"
method="post">
<h2>Please enter your username and password.</h2>

```

```

<br> <br> <div class="imgcontainer">
<span onclick="document.getElementById('id01').style.display='none'" class="close" title="Close
Modal">&times;</span>

</div> <br>

<div class="container">
<label for="username"><b>Username </b></label><br>
<input type="text" placeholder="Enter Username" name="username" required><br><br>
<label for="password"><b>Password </b></label> <br>
<input type="password" placeholder="Enter Password" name="password" required> <br><br>
<button type="submit">Login</button> <div class="space"> </div>
<button type="reset">Reset</button> <br> <br>
</div>

</form> </center>
</div>

<script>
// Get the modal
var modal = document.getElementById('id01');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal) {
    modal.style.display = "none";
  }
}
</script>
</body>
</html>

```

LoginSuccess.jsp

```

<%@page import="com.hotel.bean.LoginBean"%>

<!DOCTYPE html>

<html>

<head>

<a href="LoginSuccess.jsp"></a>

<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">

<title>Marriot Hotel</title>

<style>

/* center entire body */

html, body{

```

```
height:100%;
```

```
}
```

```
html{
```

```
display:table;
```

```
margin: auto;
```

```
}
```

```
body {
```

```
display: table-cell;
```

```
vertical-align: middle;
```

```
} </style>
```

```
</head>
```

```
<body>
```

```
<p> Successfully logged in! </p>
```

```
<% LoginBean loginBean = (LoginBean)request.getAttribute("loginBean");
```

```
out.print("Welcome, "+loginBean.getUsername());
```

```
%>
```

```
</body>
```

```
</html>
```

LoginError.jsp

```
<%@page import="com.hotel.bean.LoginBean"%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
```

```
<title>Marriot Hotel</title>
```

```
<style>
```

```
/* center entire body */
```

```
html, body{
```

```
height:100%;
```

```
}
```

```
html{
```

```
display:table;
```

```
margin: auto;
```

```
}
```

```
body {
```

```
display: table-cell;
```



```

vertical-align: middle;
} </style>
</head>
<body>
<p> Failed log in </p>
<h3>Please log in again</h3>
<form action="Login.jsp" method="post">
<input type="submit" value="Log In"/> </form>
</body>
</html>

```

Error.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriot Hotel</title>
</head>
<body>
<h1>error!</h1>
<form action="Login.jsp" method="post">
<input type="submit" value="Main"/> </form>
</body>
</html>

```

BookingView.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>

<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 5px;
text-align: left;
}
body {
background-image: url('https://img.freepik.com/free-vector/elegant-white-background-with-shiny
lines_1017-17580.jpg?w=2000');
}

```

```

/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
* {box-sizing: border-box;}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}

/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}

/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}

body {

```

```
background-image: url('https://img.freepik.com/free-vector/elegant-white-background-with-shiny
lines_1017-17580.jpg?w=2000');
}
```

```
</style>
</head>
<body>
<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center>
<h1> BOOKING DETAILS </h1>
<form action="BookingAdd.jsp" method="POST" style="display:inline-block;" >
<input type="submit" value="ADD" /> </form>
<div class="space"> </div>
<form action="BookingEdit.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="UPDATE" /> </form>
<div class="space"> </div>
<form action="BookingDelete.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="DELETE" /> </form>

<sql:query var="result" dataSource="${myDatasource}">
SELECT book_id as "Booking ID", guest_id as "Guest ID", room_no as "Room Number", checkin_date as
"Check-in Date", checkout_date as "Check-out Date", no_of_nights as "Number of Nights" FROM
APP.BOOKING

</sql:query>

<br><br><table border="1">
<tr>
<!-- column headers -->
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #D1FAF5"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
```

```

<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #ffffff"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table>
</center>
</body>
</html>

```

BookingAdd.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
input[type=number],input[type=text]{
width: 300px;
}
webkit

placeholder {
text-align: center;
}

input:placeholder-shown{
text-align: left;
}
th,td{
padding: 2px;
text-align: center;
}
.row {
display: flex;
margin-left:-5px;
margin-right:-5px; }

.column {

```

```
flex: 50%;  
padding: 5px;  
}
```

```
* {box-sizing: border-box;}
```

```
/* Style the navbar */  
.topnav {  
  overflow: hidden;  
  background-color: #ccc;  
}
```

```
.topnav ul{  
  list-style: none;  
  background: #D4E6F1;  
  padding: 0;  
  margin: 0;  
  text-align: center;  
}
```

```
.topnav li{  
  display: inline-block;  
}
```

```
/* Navbar links */  
.topnav a {  
  float: left;  
  display: block;  
  color: black;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
  font-size: 17px;  
}
```

```
/* Navbar links on mouse-over */  
.topnav a:hover {  
  background-color: #ddd;  
  color: black;  
}
```

```
/* logout */  
.logoutLblPos{
```

```
  position:fixed;  
  right:10px;  
  top:5px;  
}
```

```
body {  
  background-image: url('https://img.freepik.com/free-vector/elegant-white-background-with-shiny  
lines_1017-17580.jpg?w=2000');  
}
```

```

</style>

</head>
<body>

<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employees</a></li>
</ul>
</div>

<center> <h1> Add New Booking </h1></center>
<c:set var="guest_id" value="{param.guest_id}"/>
<c:set var="room_no" value="{param.room_no}"/>
<c:set var="checkin_date" value="{param.checkin_date}"/>
<c:set var="checkout_date" value="{param.checkout_date}"/>
<c:set var="no_of_nights" value="{param.no_of_nights}"/>
<c:if
test="{(guest_id!=null)}&&(room_no!=null)&&(checkin_date!=null)&&(checkout_date!=null)&&(no_of_nights
!=null)}" var="result">
<sql:update var="result" dataSource="{myDatasource}">
INSERT INTO BOOKING (guest_id, room_no, checkin_date, checkout_date, no_of_nights) VALUES
(?, ?, ?, ?, ?)
<sql:param value="{guest_id}"/>
<sql:param value="{room_no}"/>
<sql:param value="{checkin_date}"/>
<sql:param value="{checkout_date}"/>
<sql:param value="{no_of_nights}"/>

</sql:update>
<center><p>Successfully added booking details.</p>
<a href='BookingView.jsp'>View Booking Details</a> </center> <br>
</c:if>

<center>
<form action="/AddBookingServlet" method="post">
<table>

```

```
<tr><td><label for="guest_id"> <b> Guest ID : </b> </label> </td>
<td> <input placeholder="Enter guest ID" type="number" id="guest_id" name="guest_id"
><br></td></tr>
```

```
<tr><td><label for="room_no"> <b> Room Number : </b> </label> </td> <td> <input
placeholder="Enter room number" type="text" id="room_no" name="room_no" ><br></td></tr>
```

```
<tr><td><label for="checkin_date"> <b> Check in Date : </b> </label> </td> <td> <input
placeholder="mm-dd-yyyy" type="text" id="checkin_date" name="checkin_date" ><br></td></tr>
```

```
<tr><td><label for="checkout_date"> <b> Check out Date : </b> </label> </td> <td> <input
placeholder="mm-dd-yyyy" type="text" id="checkout_date" name="checkout_date" ><br></td></tr>
```

```
<tr><td><label for="no_of_nights"> <b> Number of Night(s) : </b> </label> </td> <td>
<input placeholder="Enter number of night" type="number" id="no_of_nights"
name="no_of_nights" ><br></td></tr>
```

```
</table>
<br><input type="submit" value="SUBMIT"/>
```

```
</form>
```

```
<center>
<div class="row">
<div class="column">
<sql:query var="result" dataSource="{myDatasource}">
SELECT guest_id as " Guest ID", guest_name as "Guest Name" FROM APP.GUEST
</sql:query>
```

```
<br><br><table border="1" style="width: 65%">
<!-- column headers -->
<tr>
<c:forEach var="columnName" items="{result.columnNames}">
<th style="background-color: #D1FAF5"><c:out value="{columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="{result.rowsByIndex}">
<tr>
<c:forEach var="column" items="{row}">
<td style="background-color: #ffffff"><c:out value="{column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table></div>
```

```
<div class="column">
<br><br><sql:query var="result" dataSource="{myDatasource}">
SELECT room_no as " Room Number", room_type as "Room Type", room_status as "Room Status" FROM
APP.ROOM
```

```
</sql:query>
```

```

<table border="1" style="width: 65%">
<!-- column headers -->
<tr>
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #D1FAF5"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #ffffff"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table></div>
</div>
</center>
</body>
</html>

```

BookingEdit.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}
body {
background-image: url('https://img.freepik.com/free-vector/blue-pink-halftone-background_53876-99004.jpg?w=2000');
}
/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
/* Style the navbar */
.topnav {

```



```
overflow: hidden;
background-color: #ccc;
}
```

```
.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}
```

```
.topnav li{
display: inline-block;
}
```

```
/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
```

```
/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form align="right" name="form1" method="post" action=Login.jsp">
```

```
<label class="logoutLblPos">
```

```
<input name="submit2" type="submit" id="submit2" value="Log Out">
```

```
</label>
```

```
</form>
```

```
<div id="header">
```

```
<a href="index.jsp" class="logo">
```

```
<center> 
```

```
</center> </a> </div>
```

```
    <div class="topnav">
```

```
    <ul>
```

```
    <li><a href="index.jsp">Main menu</a></li>
```

```
    <li><a href="GuestView.jsp">Guest</a></li>
```

```
    <li><a href="BookingView.jsp">Booking</a></li>
```

```
    <li><a href="RoomView.jsp">Room</a></li>
```

```
    <li><a href="EmployeeView.jsp">Employee</a></li>
```

```
    </ul>
```

```
    </div>
```

```
<center> <br><h2> Select a booking ID. </h2> </center>
```

```
<c:set var="book_id" value="{param.book_id}"/>
```

```
<c:set var="checkout_date" value="{param.checkout_date}"/>
```

```
<c:set var="checkout_date" value="{param.no_of_nights}"/>
```

```
<c:if test="{(book_id!=null)&&(checkout_date!=null)&&(no_of_nights!=null)}" var="result">
```

```
<sql:update var="res" dataSource="{myDatasource}">
```

```
UPDATE BOOKING
```

```
SET CHECKOUT_DATE= ?, NO_OF_NIGHTS=? WHERE BOOK_ID= ?
```

```
<sql:param value="{checkout_date}"/>
```

```
<sql:param value="{no_of_nights}"/>
```

```
<sql:param value="{book_id}"/>
```

```
</sql:update>
```

```
<center><p>Booking details has been updated.</p></center>
```

```
</c:if>
```

```
<center> <form action="BookingEdit.jsp" method="post">
```

```
<table>
```

```
<tr><select name="book_id">
```

```
<sql:query var="result" dataSource="{myDatasource}">
```

```
SELECT BOOK_ID FROM BOOKING
```

```
</sql:query>
```

```
<c:forEach var="row" items="{result.rowsByIndex}">
```

```
<c:forEach var="column" items="{row}">
```

```
<option> <c:out value="{column}"/></option>
```

```
</c:forEach>
```

```
</c:forEach>
```

```
</select><br><br></tr>
```

```
<tr><td><label for="checkout_date"> <b> Check out date : </b> </label> </td> <td> <input
```

```
placeholder="Enter check out date" type="text" id="checkout_date" name="checkout_date" ><br></td></tr>
```

```
<tr><td><label for="no_of_nights"> <b> Number of nights: </b> </label> </td> <td>
```

```
<input placeholder="Enter number of nights" type="number" id="no_of_nights"
```

```
name="no_of_nights" ><br></td></tr>
```

```
</table>
```

```
<br><input type="submit" value="UPDATE"/>
```

</form>

```
<sql:query var="result" dataSource="${myDatasource}">
SELECT book_id as "Booking ID", guest_id as "Guest ID", room_no as "Room Number", checkin_date as
"Check-in Date", checkout_date as "Check-out Date", no_of_nights as "Number of Nights" FROM
APP.BOOKING
```

</sql:query>

```
<br><br><table border="1" style="width: 65%">
<!-- column headers -->
<tr>
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #D1FAF5"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #FFFFFF"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>
```

BookingDelete.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}

body {
background-image: url('https://img.freepik.com/free-vector/elegant-white-background-with-shiny
lines_1017-17580.jpg?w=2000');
```

```

}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}

/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}

/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}

</style>
</head>
<body>

<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">

```

```

</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center> <br><br><a href='index.jsp'>Home</a>
<br><h2> Please select a booking ID number. </h2>
</center>
<c:set var="book_id" value="${param.book_id}"/>
<c:if test="${(book_id != null) && (book_id != 'select')}" >
<sql:update var="res" dataSource="${myDatasource}">
DELETE FROM BOOKING WHERE BOOK_ID = ?
<sql:param value="${book_id}"/>
</sql:update>
<center><p>Booking details has been deleted.</p></center>
</c:if>

<center> <form action="BookingDelete.jsp" method="post">

<table>
<tr><td><select name="book_id">
<sql:query var="result" dataSource="${myDatasource}">
SELECT BOOK_ID FROM BOOKING
</sql:query>
<c:forEach var="row" items="${result.rowsByIndex}">
<c:forEach var="column" items="${row}">
<option> <c:out value="${column}"/></option>
</c:forEach>
</c:forEach>
</select><br></td></tr>

<tr><td><input type="submit" value="DELETE"/></td></tr>
</table>

</form>

<sql:query var="result" dataSource="${myDatasource}">
SELECT book_id as "Booking ID", guest_id as "Guest ID", room_no as "Room Number", checkin_date as
"Check-in Date", checkout_date as "Check-out Date", no_of_nights as "Number of Nights" FROM

```

APP.BOOKING

```
</sql:query>
```

```
<br><br><table border="1" style="width: 65%">
<!-- column headers -->
<tr>
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #D1FAF5"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td><c:out value="${column}"/></td>
</c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>
```

EmployeeView.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>

<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 5px;
text-align: left;
}
/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
* {box-sizing: border-box;}
```

```
/* Style the navbar */
.topnav {
  overflow: hidden;
  background-color: #ccc;
}

.topnav ul{
  list-style: none;
  background: #FEEFC9;
  padding: 0;
  margin: 0;
  text-align: center;
}

.topnav li{
  display: inline-block;
}

/* Navbar links */
.topnav a {
  float: left;
  display: block;
  color: black;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
  font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
  background-color: #ddd; color:
  black;
}

/* logout */
.logoutLblPos{
  position:fixed;
  right:10px;
  top:5px;
}

body {
  background-image: url('https://img.freepik.com/free-vector/soft-yellow-watercolor-simple-texture
  background-vector_1055-13125.jpg?w=2000');
}
</style>
</head>
<body>
<form align="right" name="form1" method="post" action=Login.jsp">
```

```

<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center>
<h1> EMPLOYEE DETAILS </h1>
<form action="EmployeeAdd.jsp" method="POST" style="display:inline-block;" >
<input type="submit" value="ADD" /> </form>
<div class="space"> </div>
<form action="EmployeeEdit.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="UPDATE" /> </form>
<div class="space"> </div>
<form action="EmployeeDelete.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="DELETE" /> </form>

<sql:query var="result" dataSource="${myDatasource}">
SELECT emp_id as "ID", emp_name as "Employee Name", emp_age as "Age", emp_gender as "Gender",
emp_phone as "Phone Number", emp_address as "Address", emp_bod as "Birth Date" FROM
APP.EMPLOYEE

</sql:query>

<br><br><table border="1" style="width: 65%">
<tr>
<!-- column headers -->
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #F5C7B9"><c:out value="${columnName}" /></th>
</c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #ffffff"><c:out value="${column}" /></td> </c:forEach>
</tr>
</c:forEach>

```



```
</table>
</center>
</body>
</html>
```

EmployeeAdd.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
input[type=number],input[type=text]{
width: 300px;
}
webkit

placeholder {
text-align: center;
}

input:placeholder-shown{
text-align: left;
}
th,td{
padding: 2px;
text-align: center;
}
.row {
display: flex;
margin-left:-5px;
margin-right:-5px;
}
.column {
flex: 50%;
padding: 5px;
}

* {box-sizing: border-box;}

/* Style the navbar */
```

```

.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #FEEFC9;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}

/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
/* logout */
.logoutLblPos{

position:fixed;
right:10px;
top:5px;
}
body {
background-image: url('https://img.freepik.com/free-vector/soft-yellow-watercolor-simple-texture
background-vector_1055-13125.jpg?w=2000');
}
</style>

</head>
<body>

<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">

```

```

<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center> <h1> Add New Employee </h1></center>
<c:set var="emp_name" value="{param.emp_name}"/>
<c:set var="emp_age" value="{param.emp_age}"/>
<c:set var="emp_gender" value="{param.emp_gender}"/>
<c:set var="emp_address" value="{param.emp_address}"/>
<c:set var="emp_phone" value="{param.emp_phone}"/>
<c:set var="emp_bod" value="{param.emp_bod}"/>
<c:if
test="{(emp_name!=null)&&(emp_age!=null)&&(emp_address!=null)&&(emp_gender!=null)&&(emp_bod!=n
ull)&&(emp_phone!=null)}" var="result">
<sql:update var="result" dataSource="{myDatasource}">
INSERT INTO EMPLOYEE (emp_name, emp_age, emp_gender, emp_address, emp_bod,emp_phone) VALUES
(?,?,?, ?, ?, ?)
<sql:param value="{emp_name}"/>
<sql:param value="{emp_age}"/>
<sql:param value="{emp_gender}"/>
<sql:param value="{emp_address}"/>
<sql:param value="{emp_bod}"/>
<sql:param value="{emp_phone}"/>

</sql:update>
<center><p>Successfully added employee details.</p>
<a href='EmployeeView.jsp'>View Employee Details</a> </center> <br>
</c:if>

<center>
<form action="/AddEmployeeServlet" method="post">
<table>
<tr><td><label for="emp_name"> <b> Name : </b> </label> </td>
<td> <input placeholder="Enter name" type="text" id="emp_name" name="emp_name" ><br></td></tr>
<tr><td><label for="emp_age"> <b> Age : </b> </label> </td>
<td> <input placeholder="Enter age" type="text" id="emp_age" name="emp_age" ><br></td></tr>
<tr><td><label for="emp_address"> <b> Address : </b> </label> </td>

```

```

<td> <input placeholder="Enter address" type="text" id="emp_address" name="emp_address"
><br></td></tr>

<tr><td><label for="emp_gender"> <b> Gender : </b> </label> </td>
<td> <select style="width:300px" name="emp_gender">
<option value="Male">Male</option>
<option value="Female">Female</option>
</select><br></td></tr>

<tr><td><label for="emp_phone"> <b> Phone Number : </b> </label> </td>
<td> <input placeholder="Enter phone number" type="number" id="emp_phone" name="emp_phone"
><br></td></tr>

<tr><td><label for="emp_bod"> <b> Birth Date : </b> </label> </td>
<td> <input placeholder="mm--dd--yyyy" type="text" id="emp_bod" name="emp_bod" ><br></td></tr>
</table>
<br><input type="submit" value="SUBMIT"/>

</form> </center>

</body>
</html>

```

EmployeeDelete.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}

body {
background-image: url('https://img.freepik.com/free-vector/soft-yellow-watercolor-simple-texture
background-vector_1055-13125.jpg?w=2000');
}

/* Style the navbar */
.topnav {

```

```
overflow: hidden;
background-color: #ccc;
}
```

```
.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}
```

```
.topnav li{
display: inline-block;
}
```

```
/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
```

```
/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form align="right" name="form1" method="post" action=Login.jsp">
```

```
<label class="logoutLblPos">
```

```
<input name="submit2" type="submit" id="submit2" value="Log Out">
```

```
</label>
```

```
</form>
```

```
<div id="header">
```

```
<a href="index.jsp" class="logo">
```

```
<center> 
```

```

</center> </a> </div>
    <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center> <h1> Delete Employee Details </h1>
<p> Please select a employee ID number. </p> </center>
<c:set var="emp_id" value="{param.emp_id}"/>
<c:if test="{(emp_id != null) && (emp_id != 'select')}" >
<sql:update var="res" dataSource="{myDatasource}">
DELETE FROM EMPLOYEE WHERE EMP_ID = ?
<sql:param value="{emp_id}"/>
</sql:update>
<center><p>Employee details has been deleted.</p></center>
</c:if>

```

```

<center>
<form action="EmployeeDelete.jsp" method="post">

<table>
<tr> <td><label for="emp_id"> <b> ID : </b> </label> </td>
<td><select name="emp_id">
<sql:query var="result" dataSource="{myDatasource}">
SELECT EMP_ID FROM EMPLOYEE
</sql:query>
<c:forEach var="row" items="{result.rowsByIndex}">
<c:forEach var="column" items="{row}">
<option> <c:out value="{column}"/></option>
</c:forEach>
</c:forEach>
</select><br></td></tr>
</table>
<br> <input type="submit" value="DELETE"/>
</form>

```

```

<sql:query var="result" dataSource="{myDatasource}">
SELECT emp_id as "ID", emp_name as "Employee Name", emp_age as "Age", emp_gender as "Gender",
emp_phone as "Phone Number", emp_address as "Address", emp_bod as "Birth Date" FROM
APP.EMPLOYEE

```

```

</sql:query>

```

```

<br><br><table border="1" style="width: 65%">
<!-- column headers -->
<tr>

```

```

<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #F5C7B9"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #FFFFFF"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>

```

GuestView.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>

<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}
body {
background-image: url('https://img.freepik.com/free-vector/blue-pink-halftone-background_53876-99004.jpg?w=2000');
}
/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}
.topnav ul{
list-style: none;

```

```
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}
```

```
.topnav li{
display: inline-block;
}
```

```
/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
```

```
/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
```

</style>

</head>

<body>

<form align="right" name="form1" method="post" action=Login.jsp">

<label class="logoutLblPos">

<input name="submit2" type="submit" id="submit2" value="Log Out">

</label>

</form>

<div id="header">

<center>

</center> </div>

<div class="topnav">

Main menu

Guest

Booking


```

<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center>
<h1> GUEST DETAILS </h1>
<form action="GuestAdd.jsp" method="POST" style="display:inline-block;" >
<input type="submit" value="ADD" /> </form>
<div class="space"> </div>
<form action="GuestEdit.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="UPDATE" /> </form>
<div class="space"> </div>
<form action="GuestDelete.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="DELETE" /> </form>

<sql:query var="result" dataSource="${myDatasource}">
SELECT guest_id as "ID", guest_name as "Name", guest_age as "Age", guest_gender as "Gender",
guest_phone as "Phone" FROM APP.GUEST

</sql:query>

<br><br><table border="1" style="width: 65%">
<!-- column headers --><tr>
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #FDD3F6"><c:out value="${columnName}" /></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #FFFFFF"><c:out value="${column}" /></td> </c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>

```

GuestAdd.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app" />
<!DOCTYPE html>
<html>

```

```

<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
input[type=number],input[type=text]{
width: 300px;
}
webkit

placeholder {
text-align: center;
}

input:placeholder-shown{
text-align: left;
}
th,td{
padding: 2px;
text-align: left;
}
.row {
display: flex;
margin-left:-5px;
margin-right:-5px;
}

.column {
flex: 50%;
padding: 5px;
}

* {box-sizing: border-box;}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #D4E6F1;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}
/* Navbar links */

```

```

.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
/* logout */
.logoutLblPos{

position:fixed;
right:10px;
top:5px;
}
body {
background-image: url('https://img.freepik.com/free-vector/blue-pink-halftone-background_53876-99004.jpg?w=2000');
}
</style>

</head>
<body>

<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>

    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>

        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employees</a></li>
</ul>
</div>

```

```

<center> <h1> Add New Guest </h1></center>
<c:set var="guest_name" value="${param.guest_name}"/>
<c:set var="guest_age" value="${param.guest_age}"/>
<c:set var="guest_gender" value="${param.guest_gender}"/>
<c:set var="guest_phone" value="${param.guest_phone}"/>
<c:if test="${(guest_name!=null)&&(guest_age!=null)&&(guest_gender!=null)&&(guest_phone!=null)}"
var="result">
    <sql:update var="result" dataSource="${myDatasource}">
INSERT INTO GUEST (guest_name, guest_age, guest_gender, guest_phone) VALUES
(?, ?, ?, ?)
    <sql:param value="${guest_name}"/>
    <sql:param value="${guest_age}"/>
    <sql:param value="${guest_gender}"/>
    <sql:param value="${guest_phone}"/>

</sql:update>
<center><p>Successfully added guest details.</p>
<a href='GuestView.jsp'>View Guest Details</a> </center> <br>
</c:if>

<center>
<form action="/AddGuestServlet" method="post">
<table>
<tr><td><label for="guest_name"> <b> Name : </b> </label> </td>
<td> <input placeholder="Enter guest name" type="text" id="guest_name" name="guest_name"
><br></td></tr>

<tr><td><label for="guest_age"> <b> Age : </b> </label> </td>
<td> <input placeholder="Enter age" type="number" id="guest_age" name="guest_age" ><br></td></tr>
<tr><td><label for="guest_gender"> <b> Gender : </b> </label> </td>
<td> <select style="width:300px" name="guest_gender">
<option value="Male">Male</option>
<option value="Female">Female</option>
</select><br></td></tr>

<tr><td><label for="guest_phone"> <b> Phone Number : </b> </label> </td>
<td> <input placeholder="Enter phone number" type="number" id="guest_phone" name="guest_phone"
><br></td></tr>
</table>
<br><input type="submit" value="SUBMIT"/>

</form> </center>
</body>
</html>

```

GuestEdit.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"

```

```
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
```

```
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}
body {
background-image: url('https://img.freepik.com/free-vector/blue-pink-halftone-background_53876-99004.jpg?w=2000');
}
/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}

/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
```

```

}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}

/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
</style>
</head>
<body>
<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

<center> <br><h2> Select a guest ID. </h2> </center>
<c:set var="guest_id" value="{param.guest_id}"/>
<c:set var="guest_name" value="{param.guest_name}"/>
<c:set var="guest_age" value="{param.guest_age}"/>
<c:set var="guest_gender" value="{param.guest_gender}"/>
<c:set var="guest_phone" value="{param.guest_phone}"/>
<c:if
test="{(guest_id!=null)&&(guest_name!=null)&&(guest_age!=null)&&(guest_gender!=null)&&(guest_phone!
=null)}" var="result">
<sql:update var="res" dataSource="{myDatasource}">
UPDATE GUEST
SET GUEST_NAME= ?, GUEST_AGE=?, GUEST_GENDER=?, GUEST_PHONE=? WHERE GUEST_ID= ?
<sql:param value="{guest_name}"/>
<sql:param value="{guest_age}"/>

```

```

<sql:param value="{guest_gender}"/>
<sql:param value="{guest_phone}"/>
<sql:param value="{guest_id}"/>
</sql:update>
<center><p>Guest details has been updated.</p></center>
</c:if>

<center> <form action="GuestEdit.jsp" method="post">

<table>
<tr><select name="guest_id">
<sql:query var="result" dataSource="{myDatasource}">
SELECT GUEST_ID FROM GUEST
</sql:query>
<c:forEach var="row" items="{result.rowsByIndex}">
<c:forEach var="column" items="{row}">
<option> <c:out value="{column}"/></option>
</c:forEach>
</c:forEach>
</select><br><br></tr>

<tr><td><label for="guest_name"> <b> Name : </b> </label> </td>
<td> <input placeholder="Enter guest name" type="text" id="guest_name" name="guest_name"
><br></td></tr>

<tr><td><label for="guest_age"> <b> Age : </b> </label> </td>
<td> <input placeholder="Enter age" type="number" id="guest_age" name="guest_age" ><br></td></tr>
<tr><td><label for="guest_gender"> <b> Gender : </b> </label> </td>
<td> <select style="width:155px" name="guest_gender">
<option value="Male">Male</option>
<option value="Female">Female</option>
</select><br></td></tr>

<tr><td><label for="guest_phone"> <b> Phone Number : </b> </label> </td>
<td> <input placeholder="Enter phone number" type="number" id="guest_phone" name="guest_phone"
><br></td></tr>
</table>

<br><input type="submit" value="UPDATE"/>

</form>

<sql:query var="result" dataSource="{myDatasource}">
SELECT guest_id as "ID", guest_name as "Name", guest_age as "Age", guest_gender as "Gender",
guest_phone as "Phone" FROM APP.GUEST

</sql:query>

<br><br><table border="1" style="width: 65%">

```

```

<!-- column headers -->
<tr>
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #FDD3F6"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #FFFFFF"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>

```

GuestDelete.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 2px;
text-align: center;
}

body {
background-image: url('https://img.freepik.com/free-vector/blue-pink-halftone-background_53876-99004.jpg?w=2000');
}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #FEE6FA;
padding: 0;

```



```
margin: 0;
text-align: center;
}
```

```
.topnav li{
display: inline-block;
}
/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
```

```
/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
</style>
</head>
<body>
<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>
```

```
    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>
        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
```

</div>

<center> <h1> Delete Guest Details </h1>

<p> Please select a guest ID number. </p> </center>

<c:set var="guest_id" value="{param.guest_id}"/>

<c:if test="{(guest_id != null) && (guest_id != 'select')}" >

<sql:update var="res" dataSource="{myDatasource}">

DELETE FROM GUEST WHERE GUEST_ID = ?

<sql:param value="{guest_id}"/>

</sql:update>

<center><p>Guest details has been deleted.</p></center>

</c:if>

<center>

<form action="GuestDelete.jsp" method="post">

<table>

<tr><td><label for="guest_id"> ID : </label> </td>

<td><select name="guest_id">

<sql:query var="result" dataSource="{myDatasource}">

SELECT GUEST_ID FROM GUEST

</sql:query>

<c:forEach var="row" items="{result.rowsByIndex}">

<c:forEach var="column" items="{row}">

<option> <c:out value="{column}"/></option>

</c:forEach>

</c:forEach>

</select>
</td></tr>

</table>

<input type="submit" value="DELETE"/>

</form>

<sql:query var="result" dataSource="{myDatasource}">

SELECT guest_id as "ID", guest_name as "Name", guest_age as "Age", guest_gender as "Gender",
guest_phone as "Phone" FROM APP.GUEST

</sql:query>

<table border="1" style="width: 65%">

<!-- column headers -->

<tr>

<c:forEach var="columnName" items="{result.columnNames}">

<th style="background-color: #FDD3F6"><c:out value="{columnName}"/></th> </c:forEach>

</tr>

<!-- column data -->

<c:forEach var="row" items="{result.rowsByIndex}">

<tr>

<c:forEach var="column" items="{row}">

<td style="background-color: #FFFFFF"><c:out value="{column}"/></td> </c:forEach>

```

</tr>
</c:forEach>
</table> </center>
</body>
</html>

```

RoomView.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>

<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
th,td{
padding: 5px;
text-align: center;
}
body {
background-image: url('https://images.unsplash.com/photo-1512918728675-
ed5a9ecdebfd?ixlib=rb
1.2.1&ixid=MnwxMjA3fDB8MHxzZWVyY2h8MXx8bHV4dXJ5JTlwaG90ZWwIMjByb29tfGVufDB8fDB8fA%3D%3D
&w=1000&q=80');
}
/* Button space */
.space{
width: 4px;
height: auto;
display: inline-block;
}
h1{
background-color: #FFFFFF
}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc ;
}

.topnav ul{
list-style: none;
background: #ffe7a2;
padding: 0;

```

```
margin: 0;
text-align: center;
}
```

```
.topnav li{
display: inline-block;
}
```

```
/* Navbar links */
.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
```

```
/* logout */
.logoutLblPos{
position:fixed;
right:10px;
top:5px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form align="right" name="form1" method="post" action=Login.jsp">
```

```
<label class="logoutLblPos">
```

```
<input name="submit2" type="submit" id="submit2" value="Log Out">
```

```
</label>
```

```
</form>
```

```
    <div id="header">
```

```
        <a href="index.jsp" class="logo">
```

```
<center> 
```

```
</center> </a> </div>
```

```
    <div class="topnav">
```

```
<ul>
```

```
<li><a href="index.jsp">Main menu</a></li>
```

```
<li><a href="GuestView.jsp">Guest</a></li>
```

```
<li><a href="BookingView.jsp">Booking</a></li>
```

```
<li><a href="RoomView.jsp">Room</a></li>
```

```

</li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>
<center>
<h1> ROOM DETAILS </h1>
<form action="RoomAdd.jsp" method="POST" style="display:inline-block;" >
<input type="submit" value="ADD" /> </form>
<div class="space"> </div>
<form action="RoomEdit.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="UPDATE" /> </form>
<div class="space"> </div>
<form action="RoomDelete.jsp" method="POST" style="display:inline-block;">
<input type="submit" value="DELETE" /> </form>

<sql:query var="result" dataSource="${myDatasource}">
SELECT room_no as "Room Number", room_type as "Type of Room", room_rates as "Cost per Night (RM)",
room_status as "Status" FROM APP.ROOM

</sql:query>

<br><br><table border="3" style="width: 65%">
<!-- column headers -->
<c:forEach var="columnName" items="${result.columnNames}">
<th style="background-color: #ffcc66"><c:out value="${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="${row}">
<td style="background-color: #FFFFFF"><c:out value="${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table>
</center>
</body>
</html>

```

RoomAdd.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"
driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>

<html>
<head>

```

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
input[type=number],input[type=text]{
width: 300px;
}
webkit

placeholder {
text-align: center;
}

input:placeholder-shown{
text-align: left;
}
th,td{
padding: 2px;
text-align: left;
}
.row {
display: flex;
margin-left:-5px;
margin-right:-5px;
}

.column {
flex: 50%;
padding: 5px;
}

* {box-sizing: border-box;}

/* Style the navbar */
.topnav {
overflow: hidden;
background-color: #ccc;
}

.topnav ul{
list-style: none;
background: #ffe7a2;
padding: 0;
margin: 0;
text-align: center;
}

.topnav li{
display: inline-block;
}

/* Navbar links */
```

```

.topnav a {
float: left;
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}

/* Navbar links on mouse-over */
.topnav a:hover {
background-color: #ddd;
color: black;
}
}
/* logout */
.logoutLblPos{

position:fixed;
right:10px;
top:5px;
}
body {
background-image: url('https://img.freepik.com/premium-photo/white-marble-texture-background
abstract-marble-texture-natural-patterns-design_41389-491.jpg?w=900');
}
</style>

</head>
<body>

<form align="right" name="form1" method="post" action=Login.jsp">
<label class="logoutLblPos">
<input name="submit2" type="submit" id="submit2" value="Log Out">
</label>
</form>

    <div id="header">
        <a href="index.jsp" class="logo">
<center> 
</center> </a> </div>

        <div class="topnav">
<ul>
<li><a href="index.jsp">Main menu</a></li>
<li><a href="GuestView.jsp">Guest</a></li>
<li><a href="BookingView.jsp">Booking</a></li>
<li><a href="RoomView.jsp">Room</a></li>
<li><a href="EmployeeView.jsp">Employee</a></li>
</ul>
</div>

```

```

<center> <h1> Add New Room </h1></center>
<c:set var="room_type" value="${param.room_type}"/>
<c:set var="room_rates" value="${param.room_rates}"/>
<c:set var="room_status" value="${param.room_status}"/>
<c:if test="${(room_type!=null)&&(room_rates!=null)&&(room_status!=null)}" var="result">
<sql:update var="result" dataSource="${myDatasource}">
INSERT INTO ROOM (room_type, room_rates, room_status)
VALUES (?, ?, ?)
<sql:param value="${room_type}"/>
<sql:param value="${room_rates}"/>
<sql:param value="${room_status}"/>

</sql:update>
<center><p>Successfully added room details.</p>
<a href='RoomView.jsp'>View Room Details</a> </center> <br>
</c:if>

<center>
<form action="RoomAdd.jsp" method="post">
<table>
<tr><td><label for="room_type"> <b> Type : </b> </label> </td>
<td> <select style="width:300px" name="room_type">
<option value="Deluxe">Deluxe</option>
<option value="Quintuple">Quintuple</option>
<option value="Superior">Superior</option>
<option value="Deluxe Seaview">Deluxe Seaview</option>
<option value="Superior Seaview">Superior Seaview</option>
</select><br></td></tr>

<tr><td><label for="room_rates"> <b> Room Rates : </b> </label> </td>
<td> <input placeholder="Enter room rates" type="number" id="room_rates" name="room_rates"
><br></td></tr>

<tr><td><label for="room_status"> <b> Type : </b> </label> </td>
<td> <select style="width:300px" name="room_status">
<option value="Not Occupied">Not Occupied</option>
</select><br></td></tr>

</table>
<br><input type="submit" value="SUBMIT"/>

</form> </center>
</body>
</html>

```

RoomEdit.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<sql:setDataSource var="myDatasource"

```



```

driver="org.apache.derby.jdbc.ClientDriver"
url="jdbc:derby://localhost:1527/PROJECT" user="app"
password="app"/>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Marriott Hotel</title>
<style>
input[type=number],input[type=text]{
width: 300px;
}
webkit

placeholder {
text-align: center;
}

input:placeholder-shown{
text-align: left;
}

.row {
display: flex;
margin-left:-5px;
margin-right:-5px;
}

.column {
flex: 50%;
padding: 5px;
}

* {box-sizing: border-box;}

/* Style the navbar */ .topnav {
overflow: hidden;
background-color: #ccc; }

.topnav ul{
list-style: none;
background: #ffe7a2; padding: 0;
margin: 0;
text-align: center; }

.topnav li{
display: inline-block; }

/* Navbar links */
.topnav a {
float: left;

```

```
display: block;
color: black;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
}
```

```
/* Navbar links on mouse-over */
```

```
.topnav a:hover {
background-color: #ddd; color:
black;
}
```

```
/* logout */
.logoutLblPos{
```

```
position:fixed;
right:10px;
top:5px;
}
```

```
th,td{
padding: 2px;
text-align: center;
}
```

```
body {
background-image: url('https://img.freepik.com/premium-photo/white-marble-texture-background
abstract-marble-texture-natural-patterns-design_41389-491.jpg?w=900');
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<form align="right" name="form1" method="post" action=Login.jsp">
```

```
<label class="logoutLblPos">
```

```
<input name="submit2" type="submit" id="submit2" value="Log Out">
```

```
</label>
```

```
</form>
```

```
    <div id="header">
```

```
        <a href="index.jsp" class="logo">
```

```
<center> 
```

```
</center> </a> </div>
```

```
    <div class="topnav">
```

```
<ul>
```

```
<li><a href="index.jsp">Main menu</a></li>
```

```
<li><a href="GuestView.jsp">Guest</a></li>
```

```
<li><a href="BookingView.jsp">Booking</a></li>
```

```
<li><a href="RoomView.jsp">Room</a></li>
```

```
<li><a href="EmployeeView.jsp">Employee</a></li>
```


</div>

<center>
<h2> Select a room number. </h2> </center>

<c:set var="room_no" value="{param.room_no}"/>

<c:set var="room_status" value="{param.room_status}"/>

<c:if test="{(room_no!=null)&&(room_status!=null)}" var="result">

<sql:update var="res" dataSource="{myDatasource}">

UPDATE ROOM

SET ROOM_STATUS= ? WHERE ROOM_NO= ?

<sql:param value="{room_status}"/>

<sql:param value="{room_no}"/>

</sql:update>

<center><p>Room details has been updated.</p></center>

</c:if>

<center> <form action="RoomEdit.jsp" method="post">

<table>

<tr><select name="room_no">

<sql:query var="result" dataSource="{myDatasource}">

SELECT ROOM_NO FROM ROOM

</sql:query>

<c:forEach var="row" items="{result.rowsByIndex}">

<c:forEach var="column" items="{row}">

<option> <c:out value="{column}"/></option>

</c:forEach>

</c:forEach>

</select>

</tr>

<tr><td><label for="room_status"> Room Status:- </label> </td>

<td> <select name="room_status">

<option value="Occupied">Occupied</option>

<option value="Not Occupied">Not Occupied</option>

</select>
</td></tr> </table>

<input type="submit" value="UPDATE"/>

</form>

<sql:query var="result" dataSource="{myDatasource}">

SELECT room_no as "Room Number", room_type as "Type of room", room_rates as "Cost per night",
room_status as "Status" FROM APP.ROOM

</sql:query>

<table border="1" style="width: 65%">

<!-- column headers -->

<tr>

<c:forEach var="columnName" items="{result.columnNames}">

```

<th style="background-color: #FDD3F6"><c:out value="\${columnName}"/></th> </c:forEach>
</tr>
<!-- column data -->
<c:forEach var="row" items="\${result.rowsByIndex}">
<tr>
<c:forEach var="column" items="\${row}">
<td style="background-color: #FFFFFF"><c:out value="\${column}"/></td> </c:forEach>
</tr>
</c:forEach>
</table> </center>
</body>
</html>

```

Web.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.5" xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web
app_2_5.xsd">
<servlet>
<servlet-name>LoginServlet</servlet-name>
<servlet-class>com.hotel.controller.LoginServlet</servlet-class>
</servlet>
<servlet>
<servlet-name>AddBookingServlet</servlet-name>
<servlet-class>com.hotel.controller.AddBookingServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>LoginServlet</servlet-name>
<url-pattern>/LoginServlet</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>AddEmployeeServlet</servlet-name>
<servlet-class>com.hotel.controller.AddEmployeeServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>AddEmployeeServlet</servlet-name>
<url-pattern>/AddEmployeeServlet</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>AddGuestServlet</servlet-name>
<servlet-class>com.hotel.controller.AddGuestServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>AddGuestServlet</servlet-name>
<url-pattern>/AddGuestServlet</url-pattern>
</servlet-mapping>
<servlet-mapping>
<servlet-name>AddBookingServlet</servlet-name>
<url-pattern>/AddBookingServlet</url-pattern>
</servlet-mapping>

```

```
<session-config>
<session-timeout>
30
</session-timeout>
</session-config>
<welcome-file-list>
<welcome-file>Login.jsp</welcome-file>
</welcome-file-list>
<resource-ref>
<res-ref-name>jdbc/myDataSource</res-ref-name>
<res-type>javax.sql.DataSource</res-type>
<res-auth>Container</res-auth>
<res-sharing-scope>Shareable</res-sharing-scope>
</resource-ref> </web-app>
```