**Project Report**

**Human Resource Management System**

**A Web Application**

**Submitted by:**

**Kaleem ul Hassan (1212200)**

**Noor Ahmed (1212201)**

**Gresh Tharwani (1412168)**

**Submitted to:**

**Imad Yousuf**

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**Introduction**

Management, being the important task of every organization, in the sense of maintaining records, has been able to have the attention of every organizational manager. Keeping the mentioned fact in mind, management oriented software implementation has the great impact in the industry, this web based application has been designed to manage the records of any educational organization. The Human Resource Management system gives you proper management of records in online database and its retrieval too within seconds in need no matter how huge your database is. The JSP based web application is supposed to save the employees’ record, update it, view and add other employees’ records in the meantime.

MySQL database is being used by this web application however on the back end, servlet is in action and JSP covers the front end section. This web application is designed to be used by the human resource management personnel in order to add, view, update, or delete the record of all the other employees of the organization.

**Background**

In the previous times, record management had been the most difficult task of the organizations who entertain large amount of employees. Taking advantage of advancement of computer science and having the ability to maintain records online, the web applications have been able to do the tedious job easily and more efficiently.

In the absence of web applications, the records were managed manually and kept on paper only. All the employees’ data was added in the huge lagers and this boring task had been in practice since the industrialization got in power. Record management had become the most uninteresting job in those times. Web applications have replaced the old fashioned task of maintaining data and records on paper, however.

This web application is the solution to all the hectic cum boring tasks of maintaining records on paper.

**Features**

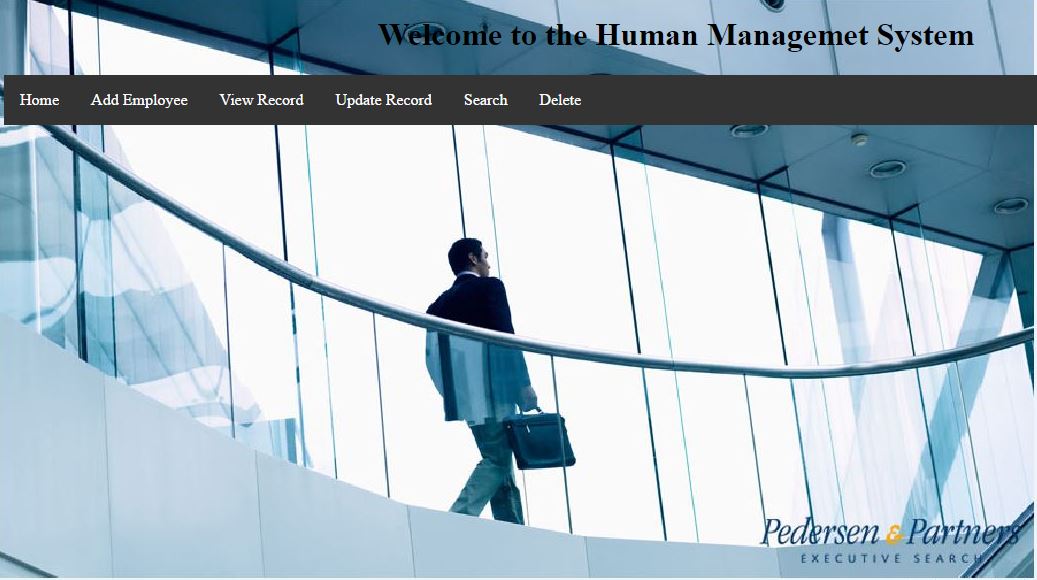
**Maintainability:** Being the online web application, maintaining the application has become easier than the previous paper based record management. The database server that is available online is easily maintained by the database engineer at the IT department of the same organization.

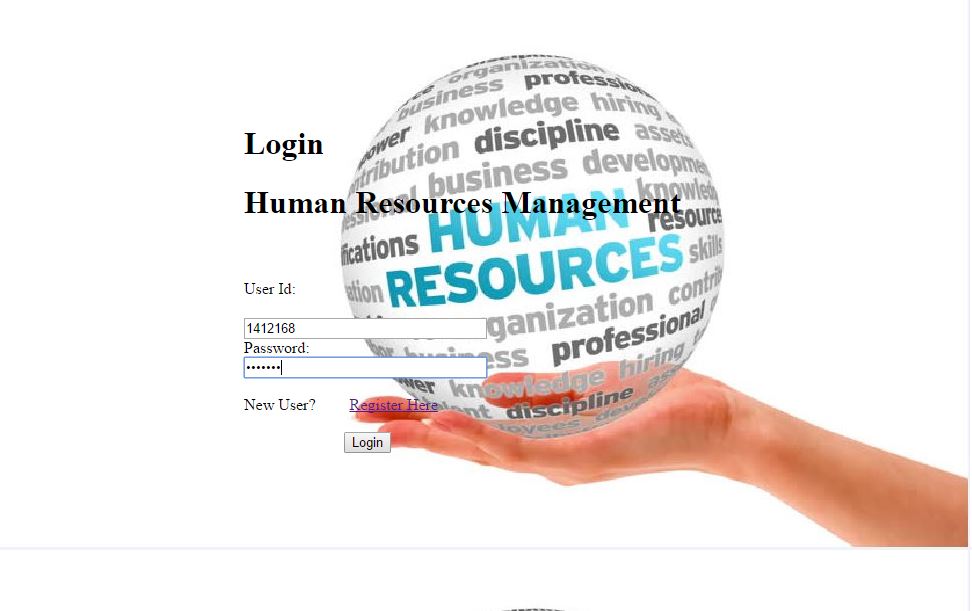
**Scalability:** The easy insertion of records make the system scalable to more data in the case if employees’ data increases in future and this is expected within almost all the organizations. The application is meant to be scalable as all employees, in future, can access the application to check their personal record, in the case if application is extended further.

**Easy to use:** In this modern era of technology, almost every industry-oriented individual is well known to the computers and its’ use. To keep this easily understandable and user-friendly, this application has very simple structure to add new employees record, view, update, or delete the records from database.

**Security:** Above all, the security of data is the important feature assessed in any application. To meet the security measures of the organization, the HR personnel will have to register him/her to the database as user, before he/she can use the application. The username and password validation is the feature that ensures the fair use of the application.

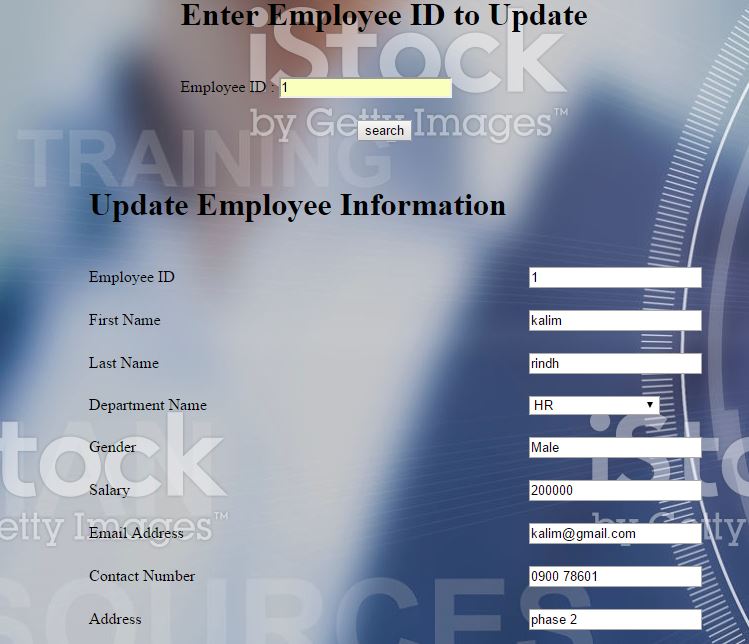
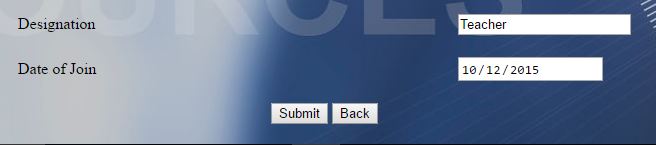
**Pictorials**

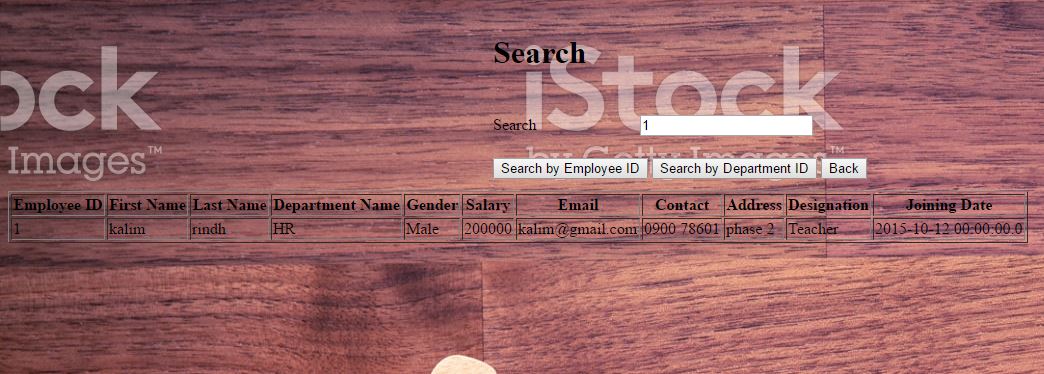








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**Code:**

**Register.JSP**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Registration Form</title>

<style type="text/css">

h3{font-family: Calibri; font-size: 22pt; font-style: normal; font-weight: bold; color:SlateBlue;

text-align: center; text-decoration: underline }

table{font-family: Calibri; color:white; font-size: 11pt; font-style: normal;width: 50%;

text-align:; background-color: SlateBlue; border-collapse: collapse; border: 2px solid navy}

table.inner{border: 0px}

</style>

</head>

<body>

<h3>Register Yourself Here</h3>

<form action="Save.jsp" method="POST">

<table align="center" cellpadding = "10">

<tr>

<td>User ID</td>

<td><input type="text" name="userid" maxlength="100" /></td>

</tr>

<tr>

<td>Password</td>

<td><input type="text" name="password" maxlength="100" /></td>

</tr>

<tr>

<td>Email</td>

<td><input type="text" name="email" maxlength="100" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Submit">

<input type="reset" value="Reset">

</td>

</tr>

</table>

</form>

</body>

</html>

**Login.JSP**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Login Page</title>

<link href="css/style.css" rel="stylesheet" type="text/css" />

</head>

<body>

<body BACKGROUND="159.JPG">

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

<div style="padding: 100px 0 0 250px;">

<div id="login-box">

<h1>Login</h1>

<h1>Human Resources Management</h1>

<br>

<div id="login-box-name" style="margin-top:20px;">User Id:</div>

<div id="login-box-field" style="margin-top:20px;">

<input name="userId" class="form-login" title="Username" value="" size="30" maxlength="50" />

</div>

<div id="login-box-name">Password:</div>

<div id="login-box-field">

<input name="password" type="password" class="form-login" title="Password" value="" size="30" maxlength="48" />

</div>

<br />

<span class="login-box-options">

New User? <a href="register.jsp" style="margin-left:30px;">Register Here</a>

</span>

<br />

<br />

<input style="margin-left:100px;" type="submit" value="Login" />

</div>

</div>

</form>

</body>

</html>

**Validation.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

int userId = request.getParameter("userId")!=null?Integer.parseInt(request.getParameter("userId")):0;

String password=request.getParameter("password");

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from users Where userID=? AND Password=?");

stmt.setInt(1,userId);

stmt.setString(2,password);

ResultSet resultSet = stmt.executeQuery();

if(resultSet.next())

{

response.sendRedirect("home.jsp");

}

else

{

response.sendRedirect("login.jsp");

}

%>

</body>

</html>

**Style.JSP**

@CHARSET "ISO-8859-1";

body{

font-family:"Lucida Grande", "Lucida Sans Unicode", Verdana, Arial, Helvetica, sans-serif;

font-size:12px;

}

p, h1, form, button{border:0; margin:0; padding:0;}

.spacer{clear:both; height:1px;}

.mainform{

margin:0 auto;

width:400px;

padding:14px;

}

#container{

border:solid 2px burlywood;

background: silver;

border-radius: 5px;

}

#container h1 {

font-size:14px;

font-weight:bold;

margin-bottom:8px;

}

#container p{

font-size:11px;

color:#666666;

margin-bottom:20px;

border-bottom:solid 1px burlywood;

padding-bottom:10px;

}

#container label{

display:block;

font-weight:bold;

text-align:right;

width:140px;

float:left;

}

#container .small{

color:#666666;

display:block;

font-size:11px;

font-weight:normal;

text-align:right;

width:140px;

}

#container input{

float:left;

font-size:12px;

padding:4px 2px;

border:solid 1px burlywood;

width:200px;

margin:2px 0 20px 10px;

border-radius: 5px;

}

#container button{

clear:both;

margin-left:150px;

width:125px;

height:31px;

background:#666666;

text-align:center;

line-height:31px;

color:#FFFFFF;

font-size:11px;

font-weight:bold;

border-radius: 5px;

}

table, tr, td{

border-radius: 5px;

border:solid 1px;

padding: 5px;

width: max-content;

}

#login-box {

width:333px;

height: 352px;

padding: 58px 76px 0 76px;

color: #ebebeb;

font: 12px Arial, Helvetica, sans-serif;

margin-top: -70px;

background: url(../images/login-box-backg.png) no-repeat left top;

}

#login-box img {

border:none;

}

#login-box h2 {

padding:0;

margin:0;

color: #ebebeb;

font: bold 44px "Calibri", Arial;

}

#login-box-name {

float: left;

display:inline;

width:80px;

text-align: right;

padding: 14px 10px 0 0;

margin:0 0 7px 0;

}

#login-box-field {

float: left;

display:inline;

width:230px;

margin:0;

margin:0 0 7px 0;

}

.form-login{

width: 205px;

padding: 10px 4px 6px 3px;

border: 1px solid #0d2c52;

background-color:#1e4f8a;

font-size: 16px;

color: #ebebeb;

}

.login-box-options {

clear:both;

padding-left:87px;

font-size: 11px;

}

.login-box-options a {

color: #ebebeb;

font-size: 11px;

}

**Home.JSP**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Home Page</title>

<style>

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #333;

}

li {

float: left;

}

li a {

display: block;

color: white;

text-align: center;

padding: 16px 16px;

text-decoration: none;

}

li a:hover {

background-color: #111;

}

</style>

</head>

<body BACKGROUND="1245.JPG">

<h1 align='center'>Welcome to the Human Resource Managemet System</h1>

<ul>

<li><a class="active" href=" ">Home</a></li>

<li><a href="addteacher.jsp">Add Employee</a></li>

<li><a href="view.jsp">View Record</a></li>

<li><a href="Update.jsp">Update Record</a></li>

<li><a href="Search.jsp">Search</a></li>

<li><a href="Delete.jsp">Delete</a></li>

</ul>

</body>

</html>

**addTeacher.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<script type="text/javascript">

function back() {

window.location.href = "home.jsp";

}

</script>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Add Employee</title>

</head>

<body BACKGROUND="5412.jpg">

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

<div style="padding: 100px 0 0 250px;">

</div>  
</form>  
<form action="insemp.jsp" method="POST">  
<table align="center" cellpadding = "10">

<tr> <td> <h1>Register New Employee</h1> </td> </tr>

<tr>

<td>Employee ID</td>

<td><input type="text" name="EmployeeID" maxlength="100" /></td>

</tr>

<tr>

<td>First Name</td>

<td><input type="text" name="FirstName" maxlength="100" /></td>

</tr>

<tr>

<td>Last Name</td>

<td><input type="text" name="LastName" maxlength="100" /></td>

</tr>

<tr>

<td>Department Name</td>

<td><select name="DepartmentID">

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from department");

ResultSet resultSet = stmt.executeQuery();

%>

<%

while(resultSet.next()){

%>

<option value="<%=resultSet.getInt("DepartmentID")%>"><%=resultSet.getString("DepartmentName")%></option>

<%

}

%>

</select></td>

</tr>

<tr>

<td>Gender</td>

<td><input type="text" name="Gender" maxlength="100" /></td>

</tr>

<tr>

<td>Salary</td>

<td><input type="text" name="SalaryPackage" maxlength="100" /></td>

</tr>

<tr>

<td>Email Address</td>

<td><input type="text" name="EmailAddress" maxlength="100" /></td>

</tr>

<tr>

<td>Contact Number</td>

<td><input type="text" name="ContactNumber" maxlength="100" /></td>

</tr>

<tr>

<td>Address</td>

<td><input type="text" name="Address" maxlength="100" /></td>

</tr>

<tr>

<td>Designation</td>

<td><input type="text" name="Designation" maxlength="100" /></td>

</tr>

<tr>

<td>Date of Join</td>

<td><input type="date" name="WorkingSince" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Submit">

<input type="button" onclick="back()" value="Back">

</td>

</tr>

</table>

</form>

</body>

</html>

**Save.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("insert into users (UserID,Password,Email) values (?,?,?)");

stmt.setInt(1, Integer.parseInt(request.getParameter("userid")));

stmt.setString(2, request.getParameter("password"));

stmt.setString(3, request.getParameter("email"));

stmt.executeUpdate();

response.sendRedirect("login.jsp");

%>

**Insert emp.JSP**

<%@page import="java.sql.PreparedStatement"%>  
<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("insert into employees (EmployeeID,FirstName,LastName,DepartmentID,Gender,SalaryPackage,EmailAddress,ContactNumber,Address,Designation,WorkingSince) values (?,?,?,?,?,?,?,?,?,?,?)");

stmt.setInt(1, Integer.parseInt(request.getParameter("EmployeeID")));

stmt.setString(2, request.getParameter("FirstName"));

stmt.setString(3, request.getParameter("LastName"));

stmt.setString(4, request.getParameter("DepartmentID"));

stmt.setString(5, request.getParameter("Gender"));

stmt.setString(6, request.getParameter("SalaryPackage"));

stmt.setString(7, request.getParameter("EmailAddress"));

stmt.setString(8, request.getParameter("ContactNumber"));

stmt.setString(9, request.getParameter("Address"));

stmt.setString(10, request.getParameter("Designation"));

stmt.setString(11, request.getParameter("WorkingSince"));

stmt.executeUpdate();

response.sendRedirect("view.jsp");

%>

**Delete Emp.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("delete from employees where EmployeeID = ?");

stmt.setInt(1, Integer.parseInt(request.getParameter("empid")));

stmt.executeUpdate();

response.sendRedirect("view.jsp");

%>

**Search.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<script type="text/javascript">

function back() {

window.location.href = "home.jsp";

}

</script>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Add Employee</title>

</head>

<body BACKGROUND="8529.jpg">

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

<div style="padding: 100px 0 0 250px;">

</div>

</form>

<form action="" method="POST">

<table align="center" cellpadding = "10">

<tr> <td> <h1>Search</h1> </td> </tr>

<tr>

<td>Search</td>

<td><input type="text" name="search" maxlength="100" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Search by Employee ID" name="submit">

<input type="submit" value="Search by Department ID" name="submit">

<input type="button" onclick="back()" value="Back">

</td>

</tr>

</table>

</form>

<%

String x=request.getParameter("submit");

if(x != null){

if(!request.getParameter("search").equals("")){

if(x.equals("Search by Employee ID")){

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID where e.EmployeeID = ?");

stmt.setInt(1, Integer.parseInt(request.getParameter("search")));

ResultSet resultSet = stmt.executeQuery();

%>

<table border="1">

<tr>

<th>Employee ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Department Name</th>

<th>Gender</th>

<th>Salary</th>

<th>Email</th>

<th>Contact</th>

<th>Address</th>

<th>Designation</th>

<th>Joining Date</th>

</tr>

<%

while(resultSet.next()){

%>

<tr>

<td><%=resultSet.getInt("EmployeeID")%></td>

<td><%=resultSet.getString("FirstName")%></td>

<td><%=resultSet.getString("LastName")%></td>

<td><%=resultSet.getString("DepartmentName")%></td>

<td><%=resultSet.getString("Gender")%></td>

<td><%=resultSet.getString("SalaryPackage")%></td>

<td><%=resultSet.getString("EmailAddress")%></td>

<td><%=resultSet.getString("ContactNumber")%></td>

<td><%=resultSet.getString("Address")%></td>

<td><%=resultSet.getString("Designation")%></td>

<td><%=resultSet.getString("WorkingSince")%></td>

</tr>

<%

}

%>

</table>

<%

}if(x.equals("Search by Department ID")){

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID where e.DepartmentID = ?");

tmt.setInt(1, Integer.parseInt(request.getParameter("search")));

ResultSet resultSet = stmt.executeQuery();

%>

<table border="1">

<tr>

<th>Employee ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Department Name</th>

<th>Gender</th>

<th>Salary</th>

<th>Email</th>

<th>Contact</th>

<th>Address</th>

<th>Designation</th>

<th>Joining Date</th>

</tr>

<%

while(resultSet.next()){

%>

<tr>

<td><%=resultSet.getInt("EmployeeID")%></td>

<td><%=resultSet.getString("FirstName")%></td>

<td><%=resultSet.getString("LastName")%></td>

<td><%=resultSet.getString("DepartmentName")%></td>

<td><%=resultSet.getString("Gender")%></td>

<td><%=resultSet.getString("SalaryPackage")%></td>

<td><%=resultSet.getString("EmailAddress")%></td>

<td><%=resultSet.getString("ContactNumber")%></td>

<td><%=resultSet.getString("Address")%></td>

<td><%=resultSet.getString("Designation")%></td>

<td><%=resultSet.getString("WorkingSince")%></td>

</tr>

<%

}

%>

</table>

<%

}}}

%>

</body>

</html>

**Delete.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<script type="text/javascript">

function back() {

window.location.href = "home.jsp";

}

</script>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Delete Record</title>

</head>

<body BACKGROUND="842.jpg">

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

<div style="padding: 100px 0 0 250px;">

</div>

</form>

<form action="delemp.jsp" method="POST">

<table align="center" cellpadding = "10">

<tr> <td> <h1>Delete Record</h1> </td> </tr>

<tr>

<td>Delete By Employee Id: </td>

<td><input type="text" name="empid" maxlength="100" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Delete">

<input type="button" onclick="back()" value="Back">

</td>

</tr>

</table>

</form>

</body>

</html>

**UpdateEmp.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("update employees set FirstName = ? ,LastName = ? ,DepartmentID =?,Gender=?,SalaryPackage=?,EmailAddress=?,ContactNumber=?,Address=?,Designation=?,WorkingSince=? where EmployeeID = ?");

stmt.setInt(11, Integer.parseInt(request.getParameter("EmployeeID")));

stmt.setString(1, request.getParameter("FirstName"));

stmt.setString(2, request.getParameter("LastName"));

stmt.setString(3, request.getParameter("DepartmentID"));

stmt.setString(4, request.getParameter("Gender"));

stmt.setString(5, request.getParameter("SalaryPackage"));

stmt.setString(6, request.getParameter("EmailAddress"));

stmt.setString(7, request.getParameter("ContactNumber"));

stmt.setString(8, request.getParameter("Address"));

stmt.setString(9, request.getParameter("Designation"));

stmt.setString(10, request.getParameter("WorkingSince"));

stmt.executeUpdate();

response.sendRedirect("view.jsp");

%>

**Update.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<script type="text/javascript">

function back() {

window.location.href = "home.jsp";

}

</script>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Update Employee</title>

</head>

<body BACKGROUND="862.jpg">

<div style="padding: 100px 0 0 250px;">

</div>

<form action="" method="post">

<table align="center" cellpadding = "10">

<tr> <td> <h1>Enter Employee ID to Update</h1> </td> </tr>

<tr>

<td>Employee ID : <input type="text" name="EmployeeID"/></td>

</tr>

<tr>

<td align="center">

<input type="submit" value="search">

<td>

</td>

</table>

</form>

<%

if(request.getParameter("EmployeeID")!=null){

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID where EmployeeID = ?");

stmt.setInt(1, Integer.parseInt(request.getParameter("EmployeeID")));

ResultSet resultSet = stmt.executeQuery();

if(resultSet.next()){

%>

<form action="updemp.jsp" method="POST">

<table align="center" cellpadding = "10">

<tr> <td> <h1>Update Employee Information</h1> </td> </tr>

<tr>

<td>Employee ID</td>

<td><input type="text" name="EmployeeID" maxlength="100" readonly value="<%=resultSet.getInt("EmployeeID")%>"/></td>

</tr>

<tr>

<td>First Name</td>

<td><input type="text" name="FirstName" maxlength="100" value="<%=resultSet.getString("FirstName")%>"/></td>

</tr>

<tr>

<td>Last Name</td>

<td><input type="text" name="LastName" maxlength="100" value="<%=resultSet.getString("LastName")%>"/></td>

</tr>

<tr>

<td>Department Name</td>

<td><select name="DepartmentID">

<%

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

Connection conn1=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt1 = conn1.prepareStatement("Select \* from department");

ResultSet resultSet1 = stmt1.executeQuery();

%>

<%

while(resultSet1.next()){

if(resultSet1.getString("DepartmentID").equals(resultSet.getString("DepartmentID")))

{

%>

<option selected="selected" value="<%=resultSet1.getInt("DepartmentID")%>"><%=resultSet1.getString("DepartmentName")%></option>

<%

}else{

%>

<option value="<%=resultSet1.getInt("DepartmentID")%>"><%=resultSet1.getString("DepartmentName")%></option>

<%

}

}

%>

</select></td>

</tr>

<tr>

<td>Gender</td>

<td><input type="text" name="Gender" maxlength="100" value="<%=resultSet.getString("Gender")%>"/></td>

</tr>

<tr>

<td>Salary</td>

<td><input type="text" name="SalaryPackage" maxlength="100" value="<%=resultSet.getString("SalaryPackage")%>"/></td>

</tr>

<tr>

<td>Email Address</td>

<td><input type="text" name="EmailAddress" maxlength="100" value="<%=resultSet.getString("EmailAddress")%>"/></td>

</tr>

<tr>

<td>Contact Number</td>

<td><input type="text" name="ContactNumber" maxlength="100" value="<%=resultSet.getString("ContactNumber")%>"/></td>

</tr>

<tr>

<td>Address</td>

<td><input type="text" name="Address" maxlength="100" value="<%=resultSet.getString("Address")%>"/></td>

</tr>

<tr>

<td>Designation</td>

<td><input type="text" name="Designation" maxlength="100" value="<%=resultSet.getString("Designation")%>" /></td>

</tr>

<tr>

<td>Date of Join</td>

<td><input type="date" name="WorkingSince" value="<%=resultSet.getDate("WorkingSince")%>" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Submit">

<input type="button" onclick="back()" value="Back">

</td>

</tr>

</table>

</form>

<%

}}

%>

</body>

</html>

**Search.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<script type="text/javascript">

function back() {

window.location.href = "home.jsp";

}

</script>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Add Employee</title>

</head>

<body BACKGROUND="8529.jpg">

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

<div style="padding: 100px 0 0 250px;">

</div>

</form>

<form action="" method="POST">

<table align="center" cellpadding = "10">

<tr> <td> <h1>Search</h1> </td> </tr>

<tr>

<td>Search</td>

<td><input type="text" name="search" maxlength="100" /></td>

</tr>

<tr>

<td colspan="2" align="center">

<input type="submit" value="Search by Employee ID" name="submit">

<input type="submit" value="Search by Department ID" name="submit">

<input type="button" onclick="back()" value="Back">

</td>

</tr>

</table>

</form>

<%

String x=request.getParameter("submit");

if(x != null){

if(!request.getParameter("search").equals("")){

if(x.equals("Search by Employee ID")){

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID where e.EmployeeID = ?");stmt.setInt(1, Integer.parseInt(request.getParameter("search")));

ResultSet resultSet = stmt.executeQuery();

%>

<table border="1">

<tr>

<th>Employee ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Department Name</th>

<th>Gender</th>

<th>Salary</th>

<th>Email</th>

<th>Contact</th>

<th>Address</th>

<th>Designation</th>

<th>Joining Date</th>

</tr>

<%

while(resultSet.next()){

%>

<tr>

<td><%=resultSet.getInt("EmployeeID")%></td>

<td><%=resultSet.getString("FirstName")%></td>

<td><%=resultSet.getString("LastName")%></td>

<td><%=resultSet.getString("DepartmentName")%></td>

<td><%=resultSet.getString("Gender")%></td>

<td><%=resultSet.getString("SalaryPackage")%></td>

<td><%=resultSet.getString("EmailAddress")%></td>

<td><%=resultSet.getString("ContactNumber")%></td>

<td><%=resultSet.getString("Address")%></td>

<td><%=resultSet.getString("Designation")%></td>

<td><%=resultSet.getString("WorkingSince")%></td>

</tr>

<%

}

%>

</table>

<%

}if(x.equals("Search by Department ID"))Class.forName("com.mysql.jdbc.Driver");

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID where e.DepartmentID = ?");

stmt.setInt(1, Integer.parseInt(request.getParameter("search")));

ResultSet resultSet = stmt.executeQuery();

%>

<table border="1">

<tr>

<th>Employee ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Department Name</th>

<th>Gender</th>

<th>Salary</th>

<th>Email</th>

<th>Contact</th>

<th>Address</th>

<th>Designation</th>

<th>Joining Date</th>

</tr> <%

while(resultSet.next()){

%>

<tr>

<td><%=resultSet.getInt("EmployeeID")%></td>

<td><%=resultSet.getString("FirstName")%></td>

<td><%=resultSet.getString("LastName")%></td>

<td><%=resultSet.getString("DepartmentName")%></td>

<td><%=resultSet.getString("Gender")%></td>

<td><%=resultSet.getString("SalaryPackage")%></td>

<td><%=resultSet.getString("EmailAddress")%></td>

<td><%=resultSet.getString("ContactNumber")%></td>

<td><%=resultSet.getString("Address")%></td>

<td><%=resultSet.getString("Designation")%></td>

<td><%=resultSet.getString("WorkingSince")%></td>

</tr>

<%

}

%>

</table>

<%

}}}

%>

</body>

</html>

**View.JSP**

<%@page import="java.sql.PreparedStatement"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.Statement"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>View Records</title>

</head>

<body BACKGROUND="2578.jpg">

<%

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3311/awt","root","root");

PreparedStatement stmt = conn.prepareStatement("Select \* from employees e left outer join department d on e.DepartmentID = d.DepartmentID");

ResultSet resultSet = stmt.executeQuery();

%>

<table border="1">

<tr>

<th>Employee ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Department Name</th>

<th>Gender</th>

<th>Salary</th>

<th>Email</th>

<th>Contact</th>

<th>Address</th>

<th>Designation</th>

<th>Joining Date</th>

</tr>

<%

while(resultSet.next()){

%>

<tr>

<td><%=resultSet.getInt("EmployeeID")%></td>

<td><%=resultSet.getString("FirstName")%></td>

<td><%=resultSet.getString("LastName")%></td>

<td><%=resultSet.getString("DepartmentName")%></td>

<td><%=resultSet.getString("Gender")%></td>

<td><%=resultSet.getString("SalaryPackage")%></td>

<td><%=resultSet.getString("EmailAddress")%></td>

<td><%=resultSet.getString("ContactNumber")%></td>

<td><%=resultSet.getString("Address")%></td>

<td><%=resultSet.getString("Designation")%></td>

<td><%=resultSet.getString("WorkingSince")%></td>

</tr>

<%

}

%>

</table>

<form action="home.jsp">

<input type="submit" value="Back">

</form>

</body>

</html>