**Assignment - Day 17**

**Time: 60 mins**

Create a web page with appropriate forms, and ajax, to perform each of the following actions:

1.Form 1: Accepts a string, and display a list (using the ordered list tag OL in HTML) of students whose name contains the given string, showing ID, name, dept\_name and tot\_creds in a single line.

Firstajax.html

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<script >

**function** sendData()

{

xr=**new** XMLHttpRequest();

xr.onreadystatechange=**function**(){

**if**(xr.status==200 && xr.readyState==4)

{

**var** data=xr.responseText.split(",");

**var** row=document.createElement("tr");

**for**(**var** i=0;i<data.length;i++)

{

**var** td=document.createElement("td");

**var** text=document.createTextNode(data[i]);

td.appendChild(text);

row.appendChild(td);

}

document.getElementById("empTable").appendChild(row);

}

}

xr.open("POST","EmployeeServlet",**true**);

xr.setRequestHeader("Content-type","application/x-www-form-urlencoded");

**var** eid=document.getElementById("empId").value;

**var** ename=document.getElementById("empName").value;

**var** age=document.getElementById("empAge").value;

**var** str="eid="+eid+"&ename="+ename+"&age="+age;

xr.send(str);

document.getElementById("empId").value="";

document.getElementById("empName").value="";

document.getElementById("empAge").value="";

}

</script>

</head>

<body>

<div id=*"empDiv"* ></div>

<form name=*"empForm"*>

ID:<input type=*"text"* id=*"empId"* value=*""*/><br>

NAME:<input type=*"text"* id=*"empName"* value=*""*/><br>

AGE:<input type=*"text"* id=*"empAge"* value=*""*/><br>

<input type=*"button"* onclick="sendData()" value=*"Submit Data"* />

</form>

<table id=*"empTable"*></table>

</body>

</html>

EMPLOYEESERVLET:

package com.verizon.assignment17;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import javax.servlet.ServletConfig;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/EmployeeServlet")

public class EmployeeServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

Connection con;

@Override

public void init(ServletConfig config) throws ServletException {

super.init(config);

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","hr","Admin");

} catch (ClassNotFoundException e) {

e.printStackTrace();

} catch (SQLException e) {

e.printStackTrace();

}

}

public EmployeeServlet() {

super();

}

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

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

// String name=request.getParameter("ename");

// String age=request.getParameter("age");

PreparedStatement pst;

try {

pst = con.prepareStatement("select \* from empl where emp\_id=?");

pst.setInt(1,Integer.parseInt(id));

ResultSet rs=pst.executeQuery();

String str=null;

if(rs.next())

str=rs.getInt(1)+","+rs.getString(2)+","+rs.getInt(3);

response.getWriter().append(str);

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

OP:

Top of Form

ID:  
NAME:  
AGE:

Bottom of Form

|  |  |  |
| --- | --- | --- |
| 1 | SURESH | 21 |

2.Form 2: Shows a drop down menu containing the names of all departments (generate this from the database), and when a particular department is selected, a list of all students in the department is displayed (as in the previous question).