import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class Product

\*/

@WebServlet("/Product")

public class Product extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Product() {

super();

// TODO Auto-generated constructor stub

}

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

response.setContentType("text/html;charset=UTF-8");

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Product Details Portal</title>");

out.println("</head>");

out.println("<body>");

try {

int id = Integer.parseInt(request.getParameter("id"));

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

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

float price = Float.parseFloat(request.getParameter("price"));

ProductClass product1 = new ProductClass(id, name, color, price);

// product1 = new ProductClass(id, name, color, price));

HttpSession session = request.getSession();

session.setAttribute("data", product1);

request.setAttribute("data", product1.getProductDetails());

RequestDispatcher rd = request.getRequestDispatcher("profile.jsp");

rd.forward(request, response);

out.println("</body>");

out.println("</html>");

} catch (NumberFormatException e) {

out.println(e);

} catch (Exception e) {

out.println(e);

}

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse

\* response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse

\* response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

}

import java.util.ArrayList;

public class ProductClass{

private int id;

private String name;

private String color;

private float price;

public ProductClass(int id, String name, String color, float price){

this.id=id;

this.name=name;

this.color=color;

this.price=price;

}

public void setId(int id) {

this.id = id;

}

public void setName(String name) {

this.name = name;

}

public void setColor(String color) {

this.color = color;

}

public void setPrice(float price) {

this.price = price;

}

public int getId() {

return id;

}

public String getName() {

return name;

}

public String getColor() {

return color;

}

public float getPrice() {

return price;

}

public ArrayList<ProductClass> getProductDetails()

{

ArrayList<ProductClass> productList = new ArrayList<ProductClass>();

productList.add(new ProductClass(id, name, color, price));

for (ProductClass s : productList)

{

System.out.print("ID, Name, Color, and Price of the product are : ");

System.out.println(s.id + " " + s.name + " " + s.color + " " + s.price);

}

return productList;

}

}

Index.jsp

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

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

<title>Product Details</title>

</head>

<body>

<div align="center">

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

<h2>Product Details</h2>

Id: <input type="number" name="id" required>

<br/>

<br/>

Name: <input type="text" name="name" required>

<br/>

<br/>

Color: <input type="text" name="color" required>

<br/>

<br/>

Price: <input type="number" name="price" required>

<br/>

<br/>

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

</form>

</div>

</body>

</html>

Profile.jsp

<%@ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<%@page import="java.util.ArrayList"%>

<%@page import="com.ProductClass"%>

<%@page import="java.util.Iterator"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Product Profile</title>

</head>

<body>

<%

ArrayList<ProductClass> p1 = (ArrayList) request.getAttribute("data");

%>

<div align="center">

<table border="1">

<tr>

<th>ID</th>

<th>Name</th>

<th>Color</th>

<th>Price</th>

</tr>

<%

if (request.getAttribute("data") != null) {

Iterator<ProductClass> iterator = p1.iterator();

while (iterator.hasNext()) {

ProductClass pc = iterator.next();

%>

<tr>

<td><%=pc.getId()%></td>

<td><%=pc.getName()%></td>

<td><%=pc.getColor()%></td>

<td><%=pc.getPrice()%></td>

</tr>

<%

}

}

%>

</table>

</div>

</body>

</html>

Pom.xml

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>Product-Details-Portal</groupId>

<artifactId>Product-Details-Portal</artifactId>

<version>1.0-SNAPSHOT</version>

<packaging>war</packaging>

<build>

<sourceDirectory>src</sourceDirectory>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.0</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<plugin>

<artifactId>maven-war-plugin</artifactId>

<version>3.2.1</version>

<configuration>

<warSourceDirectory>WebContent</warSourceDirectory>

</configuration>

</plugin>

</plugins>

</build>

<dependencies>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>servlet-api</artifactId>

<version>2.5</version>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>javax.servlet.jsp</groupId>

<artifactId>jsp-api</artifactId>

<version>2.1</version>

<scope>provided</scope>

</dependency>

</dependencies>

</project>