**Product Details Portal:**

**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</title>

</head>

<body>

<br>

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

<h1>Product Details</h1>

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

<br/>

<br/>

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

<br/>

<br/>

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

<br/>

<br/>

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

<br/>

<br/>

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

</form>

</body>

</html>

**Show.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 </title>

</head>

<body>

<%

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

%>

<table border=*"1"*>

<h1>List of Products</h1>

<br>

<br>

<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>

</body>

</html>

**Product.java:**

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;

@WebServlet("/Product")

public class Product extends HttpServlet {

private static final long serialVersionUID = 1L;

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);

HttpSession session = request.getSession();

session.setAttribute("data", product1);

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

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

rd.forward(request, response);

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

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

} catch (NumberFormatException e) {

out.println(e);

} catch (Exception e) {

out.println(e);

}}

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

}

**ProductClass.java**

**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;

}

}