**Product Details Portal**

**Source Code:**

Java Code:

//AddProduct (Servlet)

package com.ap;

import java.io.IOException;

import java.io.PrintWriter;

import java.math.BigDecimal;

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("/addproduct")

public class AddProduct extends HttpServlet{

/\*\*

\*

\*/

private static final long serialVersionUID = 1L;

@Override

protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// TODO Auto-generated method stub

PrintWriter out=resp.getWriter();

try {

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

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

String price=req.getParameter("price");

String type=req.getParameter("type");

Product product=new Product(id,name,type,new BigDecimal(price));

HttpSession session = req.getSession();

session.setAttribute("data", product);

req.setAttribute("data", product.getProductDetails());

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

rd.forward(req, resp);

//out.print("Data Added Successfully");

} catch (NumberFormatException e) {

out.println(e);

} catch (Exception e) {

out.println(e);

}

}

@Override

protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// TODO Auto-generated method stub

doGet(req, resp);

}

}

//Product

package com.ap;

import java.math.BigDecimal;

import java.util.ArrayList;

public class Product {

private int id;

private String name;

private String type;

private BigDecimal price;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getType() {

return type;

}

public void setType(String type) {

this.type = type;

}

public BigDecimal getPrice() {

return price;

}

public void setPrice(BigDecimal price) {

this.price = price;

}

public Product(int id, String name, String type, BigDecimal price) {

super();

this.id = id;

this.name = name;

this.type = type;

this.price = price;

}

public Product() {

super();

// TODO Auto-generated constructor stub

}

@Override

public String toString() {

return "Product [id=" + id + ", name=" + name + ", type=" + type + ", price=" + price + "]";

}

public ArrayList<Product> getProductDetails()

{

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

productList.add(new Product(id, name, type, price));

for (Product s : productList)

{

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

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

}

return productList;

}

}

//JSP Files:

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>Insert title here</title>

</head>

<body>

<h1>Product Form</h1>

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

ProductId: <input type="number" name="id"><br><br>

Product Type: <input type="text" name="type"><br><br>

ProductName: <input type="text" name="name"><br><br>

Product Price: <input type="text" name="price"><br><br>

<input type="submit" value="AddProduct"><br><br>

</form>

</body>

</html>

//profile.jsp

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

pageEncoding="UTF-8"%>

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

<%@page import="com.ap.Product"%>

<%@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<Product> p1 = (ArrayList) request.getAttribute("data");

%>

<div align="center">

<table border="1">

<tr>

<th>ID</th>

<th>Name</th>

<th>Type</th>

<th>Price</th>

</tr>

<%

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

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

while (iterator.hasNext()) {

Product pc = iterator.next();

%>

<tr>

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

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

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

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

</tr>

<%

}

}

%>

</table>

</div>

</body>

</html>