Product Details Portal SourceCode

index.jsp

```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>
<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>
```

Product.java

```java
package com.details;

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;
```

```java
    /**
     * @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);

    }

    /**
```

```java
        * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse
        *      response)
        */
      protected void doPost(HttpServletRequest request, HttpServletResponse
response)
                  throws ServletException, IOException {
            processRequest(request, response);
      }

}

package com.details;
```

ProductClass.java

```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;
      }
```

```java
    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;
    }
}
```

Profile.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="java.util.ArrayList"%>
<%@page import="com.details.ProductClass"%>
<%@page import="java.util.Iterator"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Insert title here</title>
</head>
<body>
    <%
    ArrayList<ProductClass> p1 = (ArrayList)request.getAttribute("data");
    %>

    <div align="center">
    <h1>Product List</h2>
        <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>
```

```jsp
                    <td><%=pc.getColor()%></td>
                    <td><%=pc.getPrice()%></td>
                </tr>
                <%
                }
                }
                %>
            </table>
        </div>
    </body>
</html>
```