

Phase-2 Practice Project

Product Details Portal.

Source code

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>
<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=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="java.util.ArrayList"%>
<%@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>
```

```

<div align="center">
    <table border="1">
        <tr>
            <th>ID</th>
            <th>Name</th>
            <th>Color</th>
            <th>Price</th>
        </tr>

        <tr><td>ID</td><td><input type="text" name="id"></td></tr>
        <tr><td>Name</td><td><input type="text" name="name"></td></tr>
        <tr><td>Color</td><td><input type="text" name="color"></td></tr>
        <tr><td>price</td><td><input type="text" name="price"></td></tr>

    </table>
</div>
</body>
</html>

```

Product.java:

```

package com.product;
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<ProductClass> extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private static final Object Product = null;
    /**
     * @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"));
            HttpSession session = request.getSession();
            session.setAttribute("data", Product);
            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);
}
}

```

Product class:

```

package com.productClass;
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;
}
}

```

Xml:

```

<?xml version="1.0" encoding="UTF-8"?>
<classpath>
    <classpathentry kind="src" output="target/classes" path="src">
        <attributes>

```

```

        <attribute name="optional" value="true"/>
        <attribute name="maven.pomderived" value="true"/>
    </attributes>
</classpathentry>
<classpathentry kind="con"
path="org.eclipse.jdt.launching.JRE_CONTAINER/org.eclipse.jdt.internal.debug.ui.launcher.
StandardVMType/JavaSE-1.8">
    <attributes>
        <attribute name="maven.pomderived" value="true"/>
    </attributes>
</classpathentry>
<classpathentry kind="con"
path="org.eclipse.jst.server.core.container/org.eclipse.jst.server.tomcat.runtimeTarget/Apach
e Tomcat v9.0">
    <attributes>
        <attribute name="owner.project.facets" value="jst.web"/>
    </attributes>
</classpathentry>
<classpathentry kind="lib"
path="C:/Users/USHA/Downloads/servlet-api.jar/servlet-api.jar"/>
    <classpathentry kind="con"
path="org.eclipse.m2e.MAVEN2_CLASSPATH_CONTAINER">
        <attributes>
            <attribute name="maven.pomderived" value="true"/>
            <attribute name="org.eclipse.jst.component.dependency"
value="/WEB-INF/lib"/>
        </attributes>
    </classpathentry>
    <classpathentry kind="output" path="target/classes"/>
</classpath>

```