

Product Details Portal

DESCRIPTION

Create a servlet-based web application that shows a form to enter product details. Capture the details in a servlet and then display the data that was entered.

Background of the problem statement:

As a part of developing an ecommerce web application, you have to prototype a form for adding products into the system entered by the users. There is no database involved here, so

the product is just captured and displayed without storing it anywhere.

You must use the following:

- Eclipse as the IDE
- Apache Tomcat as the web server
- JSP pages for the front end
- Servlets for backend processing

Following requirements should be met:

- There will be a Product class to store the details of the product
- The servlet will put the form data into the Product class and store it in the session
- A second JSP will take the product info from the session and display it to the user
- The step-by-step process involved in completing this task should be documented.

SOURCE CODE

App.java:-

```
package com.anand.training;

import java.io.IOException;
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("/app")
public class App extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        // TODO Auto-generated method stub

        String pId = request.getParameter("productId");
        String pName = request.getParameter("productName");
```

```

        String pPrice = request.getParameter("productPrice");
        HttpSession theSession = request.getSession();
        theSession.setAttribute("pid", pId);
        theSession.setAttribute("pname", pName);
        theSession.setAttribute("pprice", pPrice);
        response.sendRedirect("display.jsp");

    }

}

```

Display.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>Display</title>
</head>
<body>
<h1>Displaying the Product Details....</h1>
<hr>
<%= "Product Id : " + session.getAttribute("pid") %> <br> <br>
<%= "Product Name : " + session.getAttribute("pname") %> <br> <br>
<%= "Product Price : " + session.getAttribute("pprice") %>
</body>
</html>

```

Form.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>

<h1>Enter Product Details</h1>
<hr>
<form action="app">
<input type="text" name="productId" placeholder="PRODUCT ID"><br>
<input type="text" name="productName" placeholder="PRODUCT NAME"><br>
<input type="text" name="productPrice" placeholder="PRODUCT PRICE"><br>

```

```
<input type="submit" value="ENTER">  
</form>  
</body>  
</html>
```