**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

PHASE2-FOURTH-PROJECT

Source Code

Class: Product.java

**package** com.simplilearn.jsp;

**public** **class** Product {

**private** **int** pid;

**private** String pname;

**private** Float price;

**public** Product() {

}

@Override

**public** String toString() {

**return** "Product [pid=" + pid + ", pname=" + pname + ", price=" + price + "]";

}

**public** **int** getPid() {

**return** pid;

}

**public** **void** setPid(**int** pid) {

**this**.pid = pid;

}

**public** String getPname() {

**return** pname;

}

**public** **void** setPname(String pname) {

**this**.pname = pname;

}

**public** Float getPrice() {

**return** price;

}

**public** **void** setPrice(Float price) {

**this**.price = price;

}

}

JSP: display.jsp

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Product Details</title>

</head>

<body>

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

Enter ProductID:<input type=*"text"* name=*"pid"*/><br/>

Enter ProductName:<input type=*"text"* name=*"pname"*/><br/>

Enter ProductPrice:<input type=*"text"* name=*"price"*/><br/>

<input type=*"submit"* name=*"Product"* value=*"Product Details"*/>

</form>

<% **if**(request.getParameter("Product")!=**null**) {%>

<jsp:useBean id=*"product"* class=*"com.simplilearn.jsp.Product"* scope=*"request"*></jsp:useBean>

<jsp:setProperty property=*"\*"* name=*"product"*/>

<jsp:forward page=*"Productvalues"*></jsp:forward>

<%}%>

</body>

</html>

Servlet: Productvalues.java

**package** com.simplilearn.jsp;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

;

/\*\*

\* Servlet implementation class Productvalues

\*/

**public** **class** Productvalues **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Productvalues() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

Product product =(Product) request.getAttribute("product");

PrintWriter out = response.getWriter();

out.print("<h3> Product Details " + product+ "</h3>");

}

}

web.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"* id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>PHASE2-FOURTH-PROJECT</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.htm</welcome-file>

<welcome-file>default.jsp</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>ProductDetails</display-name>

<servlet-name>ProductDetails</servlet-name>

<servlet-class>com.simplilearn.jsp.ProductDetails</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ProductDetails</servlet-name>

<url-pattern>/ProductDetails</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>Productvalues</display-name>

<servlet-name>Productvalues</servlet-name>

<servlet-class>com.simplilearn.jsp.Productvalues</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Productvalues</servlet-name>

<url-pattern>/Productvalues</url-pattern>

</servlet-mapping>

</web-app>

**Pushing the code to your GitHub repositories**

* Open your command prompt and navigate to the folder where you have created your files.

**cd <folder path>**

* Initialize your repository using the following command:

**git init**

* Add all the files to your git repository using the following command:

**git add .**

* Commit the changes using the following command:

**git commit . -m “Changes have been committed.”**

* Push the files to the folder you initially created using the following command:

**git push -u origin master**