**Product Details Portal – Source Code**

# **( Phase 2 – Practice Project 4 )**

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Git Link : https://github.com/K-V-Sagar/simpliLearn/tree/main/Phase-2/40-pracProj-JSPProductDetails

# **readProdDetails.html**

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Insert title here</**title**>

</**head**>

<**body**>

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

<**h1**>Enter the product details...</**h1**>

Product ID: <**input** type=*"text"* name=*"productID"* />

<**br**/>

Product Name: <**input** type=*"text"* name=*"productName"* />

<**br**/>

Quantity : <**input** type=*"text"* name=*"quantity"* />

<**br**/>

<**input** type=*"submit"* value=*"submit"* />

</**form**>

</**body**>

</**html**>

# **products.java**

package com.samples.model;

public class products {

private String productID;

private String productName;

private String quantity;

// constructor

public products(String productID, String productName, String quantity) {

super();

this.productID = productID;

this.productName = productName;

this.quantity = quantity;

}

// Getters and Setters

public String getProductID() {

return productID;

}

public void setProductID(String productID) {

this.productID = productID;

}

public String getProductName() {

return productName;

}

public void setProductName(String productName) {

this.productName = productName;

}

public String getQuantity() {

return quantity;

}

public void setQuantity(String quantity) {

this.quantity = quantity;

}

}

# **prodDetailsServlet.java**

package com.samples.servlets;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

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 com.samples.model.products;

/\*\*

\* Servlet implementation class prodDetailsServlet

\*/

*@WebServlet*("/prodDetailsServlet")

public class prodDetailsServlet extends HttpServlet {

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

// creating a list "details" of type products

// i.e. it consists objects of class products as elements

List<products> details = new ArrayList<>();

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

String prodID = request.getParameter("productID");

String prodName = request.getParameter("productName");

String quantity = request.getParameter("quantity");

// initialsing the object of class products using the constructor

products obj = new products(prodID, prodName, quantity );

// adding the object "obj" to the list "details"

details.add(obj);

// Product\_details is used in for-each loop in the .jsp file

request.setAttribute("Product\_Details", details);

// forwarding the request to the .jsp file

RequestDispatcher rd = request.getRequestDispatcher("/listProdDetails.jsp");

rd.forward(request, response);

}

}

# **listProdDetails.jsp**

package com.samples.servlets;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

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import javax.servlet.http.HttpServletRequest;

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