**Objective:**

Create a servlet-based web application for an ecommerce system that allows users to enter product details through a form. The entered details will be captured by a servlet, stored in a Product class, and then displayed to the user in a second JSP page. The development environment includes Eclipse as the IDE, Apache Tomcat as the web server, JSP pages for the front end, and Servlets for backend processing. No database will be used; product details will be captured and displayed without storage.

**Step 1: Setting Up the Project**

Open Eclipse:

* Launch Eclipse IDE.
* Create a Dynamic Web Project:
* Navigate to File -> New -> Dynamic Web Project.
* Name the project (e.g., ProductDetailsPortal) and click "Finish."

Configure Tomcat Server:

* Right-click on the project -> Properties.
* Select Targeted Runtimes on the left and choose your Apache Tomcat version. Click Apply and then OK.

**Step 2: Create Product Class:**

Create Product Class:

* Create a Java class named Product to store product details (e.g., productName, productDescription).
* Include necessary constructors, getters, and setters.

**Step 3: Create Form JSP Page:**

Create Form JSP Page:

* In the WebContent folder, create a JSP file named productForm.jsp.
* Design a form with input fields for product details (productName, productDescription).

**Step 4: Develop Servlet for Form Submission:**

Create Servlet:

* Create a Servlet named ProductServlet in the src folder.
* Annotate the servlet with @WebServlet("/ProductServlet").

Process Form Data:

* In the doPost method, retrieve form data using request.getParameter.
* Create a Product object, set its properties, and store it in the session.
* Redirect to the display JSP page.

**Step 5: Create Display JSP Page:**

Create Display JSP Page:

* In the WebContent folder, create a JSP file named productDisplay.jsp.
* Import the Product class and HttpSession.
* Retrieve the Product object from the session and display its details.

**Step 6: Deploy and Run:**

Run the Application:

* Right-click on the project -> Run As -> Run on Server.
* Choose your configured Apache Tomcat server and click Finish.
* Access the Application:
* Open a web browser and navigate to http://localhost:8080/ProductDetailsPortal/productForm.jsp.

Enter Product Details:

* Complete the form with product details and submit.

View Display Page:

* You will be redirected to productDisplay.jsp, where the entered product details are displayed.

**Conclusion:**

Congratulations! You have successfully developed a simple Product Details Portal using Eclipse, Apache Tomcat, JSP, and Servlets. This prototype allows users to enter product details through a form, and the entered information is captured, stored in a session, and displayed in a subsequent JSP page. This solution provides a foundation for further development in the context of an ecommerce web application