**4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**GitHubLink:**

**-: Product Details Portal: -**

**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.\_\_

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**DESCRIPTION**

In this Project, we are going to understand the process of coding a basic Java web application that manages the products details product id, product name, product price as entered by the user in the given fields there will be no database involve here all values are shown to the user without storing it.

**Followed:--**

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

**We will learn to how to build this application using the following technologies:**

* Java Servlets and Java Server Pages (JSP)
* JSP Standard Tag Library (JSTL
* Apache Tomcat Server

**STEPS WITH CODE:--**

1.Create a product.jsp file with form action app: - <form action=*"app"*>

and write this codes:-

<%@ 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>

<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>

2. Create a productNew.jsp file for displaying the product details.

And put these codes:-

<%@ 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 Product</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>

3.Create a servlet with name App.java with only doGet method .

Add to library servlet-api.jar in external jars

And sendredirect response to productNew.jsp file.

And put these codes:---

**package** com.product;

**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("productNew.jsp");

}

}

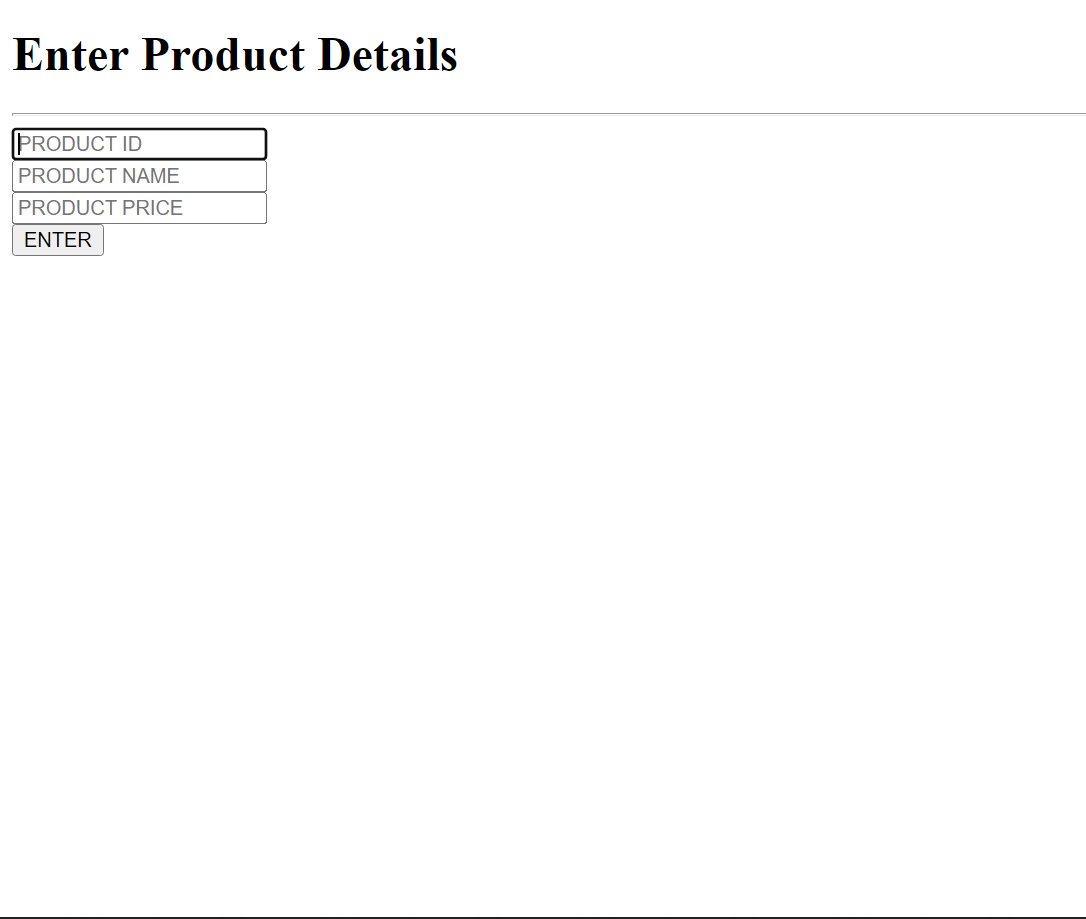
**NOTE:--**

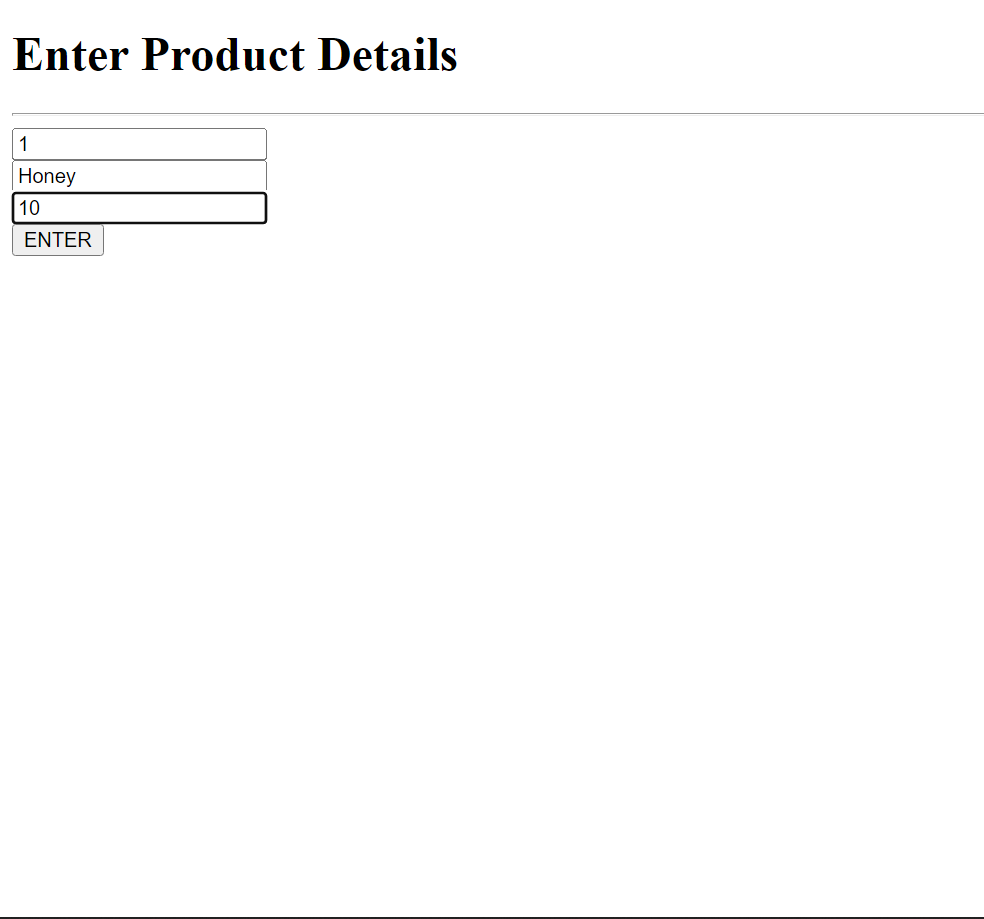
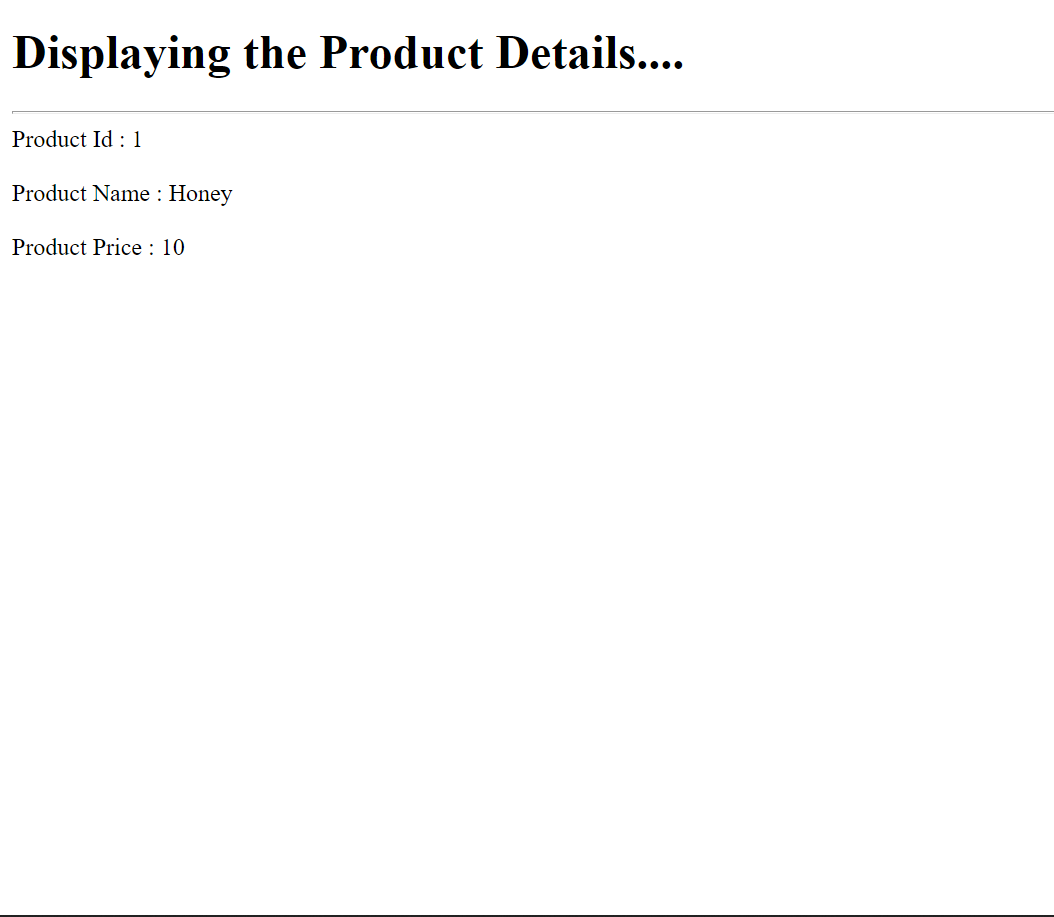
Check the web.xml file for the servlet name, mapping most important servlet url.

<servlet-name>App</servlet-name>

<url-pattern>/App</url-pattern>

**SCREENSHOTS:-**

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