Source Code

**ProductServlet.java**

package com;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/ProductServlet")

public class ProductServlet extends HttpServlet {

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

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

String name = "";

String description = "";

double price = 0;

try {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/amit", "user", "tatasky123");

PreparedStatement ps = con.prepareStatement("SELECT \* FROM products WHERE id = ?");

ps.setString(1, productId);

ResultSet rs = ps.executeQuery();

if (rs.next()) {

name = rs.getString("name");

description = rs.getString("description");

price = rs.getDouble("price");

} else {

request.setAttribute("errorMessage", "Product not found!");

}

request.setAttribute("name", name);

request.setAttribute("description", description);

request.setAttribute("price", price);

request.getRequestDispatcher("productDetails.jsp").forward(request, response);

} catch (Exception e) {

e.printStackTrace();

}

}

}

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

<!DOCTYPE html>

<html>

<head>

<title>Product Details</title>

</head>

<body>

<h1>Product Details</h1>

<c:choose>

<c:when test="${**not empty** errorMessage}">

<p>${errorMessage}</p>

</c:when>

<c:otherwise>

<p>Name: ${name}</p>

<p>Description: ${description}</p>

<p>Price: $${price}</p>

</c:otherwise>

</c:choose>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<title>Product Search</title>

</head>

<body>

<h1>Enter Product ID</h1>

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

Product ID: <input type=*"text"* name=*"productId"* required>

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

</form>

</body>

</html>

<?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\_3\_0.xsd"*

version=*"3.0"*>

<servlet>

<servlet-name>ProductServlet</servlet-name>

<servlet-class>com.ProductServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ProductServlet</servlet-name>

<url-pattern>/ProductServlet</url-pattern>

</servlet-mapping>

</web-app>