Retrieving the Product Details using the Product ID : Source Code

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Git Link: simpliLearn/Phase-2/20-pracProj-productDetails at main · K-V-Sagar/simpliLearn (github.com)

product.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <h2>Get product details:</h2>
    <form action="getProdDetailsServlet" method="post">
        <table>
            <tr>
                <td>Product ID:</td>
                <td><input type="text" name="productID" /></td>
            </tr>
            <tr>
                <td></td>
                <td><input type="submit" value="Enter" /></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

getProdDetailsServlet

```java
package com.product;


import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;
```

```java
import java.sql.Statement;


import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


/**
 * Servlet implementation class getProdDetailsServlet
 */
@WebServlet("/getProdDetailsServlet")
public class getProdDetailsServlet extends HttpServlet {
      private static final long serialVersionUID = 1L;


      Connection connection;


      @Override
      public void init() throws ServletException {

            try {
                  System.out.println("getProdDetailsServlet.init() method. DB
connection created");
                  Class.forName("com.mysql.jdbc.Driver");
                  connection =
DriverManager.getConnection("jdbc:mysql://localhost/mydb", "root", "admin");
            } catch (ClassNotFoundException e) {
                  e.printStackTrace();
            } catch (SQLException e) {
                  e.printStackTrace();
            }


      }
```

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

            response.setContentType("text/html");
            String prodID = request.getParameter("productID");


            System.out.println("doGet");
            try (Statement statement = connection.createStatement();) {


                // using ResultSet to store the result and then print using
the results object
                ResultSet results = statement.executeQuery("select * from
products where productID = '"+ prodID +"'");
                PrintWriter out = response.getWriter();


                out.println("<table>");
                out.println("<tr>");
                out.println("<th>productID</th>");
                out.println("<th>productName</th>");
                out.println("<th>quantity</th>");
                out.println("</tr>");
                while (results.next()) {
                        out.println("<tr>");
                        out.println("<td>" + results.getString(1) + "</td>");
                        out.println("<td>" + results.getString(2) + "</td>");
                        out.println("<td>" + results.getString(3) + "</td>");
                        out.println("</tr>");
                }
                out.println("</table>");



            }
            catch (SQLException e) {
                    e.printStackTrace();
            }
```

```java
        }


        @Override

        public void destroy() {

                try {

                        System.out.println("getProdDetailsServlet.destroy() method. DB
connection closed");

                        connection.close();

                } catch (SQLException e) {

                        e.printStackTrace();

                }

        }


}
```