**SourceCode\_for\_Retrieving\_the\_Product\_Details\_Using\_the\_Product \_ID**

**productForm.html**

<!DOCTYPE html>

<html>

<head>

<title>Product Information</title>

</head>

<body>

<form action="ProductServlet" method="get">

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

<input type="submit" value="Get Product Details">

</form>

</body>

</html>

**ProductServlet.java**

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

@WebServlet("/ProductServlet")

public class ProductServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

private static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

private static final String DB\_URL = "jdbc:mysql://localhost:3306/ecommerce";

private static final String USER = "\*\*\*\*\*\*\*\*\*\*\*\*\*";

private static final String PASSWORD = "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

int productId = Integer.parseInt(request.getParameter("productId"));

try {

Class.forName(JDBC\_DRIVER);

} catch (ClassNotFoundException e) {

throw new ServletException("Error loading JDBC driver", e);

}

try (Connection conn = DriverManager.getConnection(DB\_URL, USER, PASSWORD);

PreparedStatement pstmt = conn.prepareStatement("SELECT \* FROM products WHERE product\_id = ?")) {

pstmt.setInt(1, productId);

try (ResultSet rs = pstmt.executeQuery()) {

PrintWriter out = response.getWriter();

if (rs.next()) {

String productName = rs.getString("product\_name");

double price = rs.getDouble("price");

out.println("Product ID: " + productId);

out.println("Product Name: " + productName);

out.println("Price: $" + price);

} else {

out.println("Product not found");

}

}

} catch (SQLException e) {

e.printStackTrace();

throw new ServletException("Database error", e);

}

}

}