**RETRIEVING DATA SERVLET:**

**package** project;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**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** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** java.math.BigDecimal;

**import** java.sql.CallableStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** java.util.Properties;

**import** java.sql.PreparedStatement;

**import** java.math.BigDecimal;

**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** com.ecommerce.DBConnection;

**import** java.io.FileInputStream;

**import** java.util.Properties;

**import** java.lang.NullPointerException;

**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;

@WebServlet("/RetriveData")

**public** **class** RetrievingData **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

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

// **TODO** Auto-generated method stub

**try** {

PrintWriter out = response.getWriter();

out.println("<html><body>");

InputStream in = getServletContext().getResourceAsStream("/WEB-INF/config.properties");

Properties props = **new** Properties();

props.load(in);

DBUtil conn = **new** DBUtil(props.getProperty("url"), props.getProperty("userid"),

props.getProperty("password"));

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

String query = "SELECT \* FROM product WHERE id = ?";

PreparedStatement stmt = conn.getConnection().prepareStatement(query);

stmt.setInt(1, Integer.*parseInt*(id));

ResultSet rs = stmt.executeQuery();

**if** (rs.next()) {

String name = rs.getString("name");

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

out.println("<h1>Product Details</h1>");

out.println("<p><strong>Product ID:</strong> " + id + "</p>");

out.println("<p><strong>Name:</strong> " + name + "</p>");

out.println("<p><strong>Price:</strong> $" + price + "</p>");

} **else** {

out.println("<p>Product not found.</p>");

}

rs.close();

stmt.close();

conn.closeConnection();

out.println("</body></html>");

} **catch** (SQLException e) {

e.printStackTrace();

}

}

}

**DBUTIL (CONNECTION CLASS) :**

**package** project;

**import** java.sql.\*;

//This is a helper class that loads the JDBC driver and

//establishes the connection to the DB Server database

**public** **class** DBUtil {

Connection connection = **null**;

**public** DBUtil(String dbURL, String user, String pwd) {

**try** {

// STEP 1 LOAD THE JDBC DRIVER

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

// STEP 2 GET THE CONNECTION TO THE DATABSE

connection = DriverManager.*getConnection*(dbURL, user, pwd);

} **catch** (ClassNotFoundException | SQLException e) {

System.***out***.println(e);

}

}

**public** Connection getConnection() {

**return** **this**.connection;

}

**public** **void** closeConnection() **throws** SQLException {

**if** (**this**.connection != **null**)

**this**.connection.close();

}

}

**CONFIG PROPERTIES FILE:**

url=jdbc:mysql://127.0.0.1:3306/ecommerce

userid=root

password=@Classicaldancer23

**INDEX HTML PAGE:**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Product Details</title>

</head>

<body>

<h1>Product Details</h1>

<form action=*"RetriveData"* method=*"GET"*>

<label for=*"id"*>Product ID:</label>

<input type=*"text"* id=*"id"* name=*"id"* required>

<button type=*"submit"*>Submit</button>

</form>

</body>

</html>

**WORKBECH OUTPUT:**

