# **Index.html file**

<!DOCTYPE html>

<html>

<head>

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

<title>Product Details</title>

</head>

<body>

<form action=*"fetch"*>

Enter ID: &nbsp;<input type=*"text"* name=*"id"*><br><br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type=*"submit"* value=*"search"*><br><br>

</form>

</body>

</html>

</form>

# **Fetch Data Servlet (FetchData.java)**

**package** com;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** java.util.Properties;

**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.mysql.cj.xdevapi.Result;

@WebServlet("/fetch")

**public** **class** FetchData **extends** HttpServlet {

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

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

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

props.load(in);

Connection con = DatabaseConfig.*getConnection*(props);

**if**(con!=**null**) {

**try** {

PreparedStatement stmt=con.prepareStatement("select \* from product where id=?");

stmt.setString(1, id);

ResultSet rs= stmt.executeQuery();

**if**(rs.isBeforeFirst()) {

**while**(rs.next()) {

out.print("<h3>Product Details</h3>");

out.print("<br>"+"ID: "+rs.getInt(1)+

"<br>"+"Name: "+rs.getString(2)+

"<br>"+"Type: "+rs.getString(3)+

"<br>"+"Price: "+"Rs. "+rs.getDouble(4));

}

}

**else**

out.print("Product with this ID does not exist.");

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

**else**

out.print("Error while connecting");

}

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

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

doGet(request, response);

}

}

# **Database Configuration Class (DatabaseConfig.java)**

package com;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.util.Properties;

public class DatabaseConfig {

public static Connection getConnection(Properties props) {

Connection connection=null;

try {

//get url, username, password from properties

String driver = props.getProperty("driver");

String url = props.getProperty("url");

String username = props.getProperty("username");

String password = props.getProperty("password");

//to load the driver

Class.forName(driver);

try {

connection= DriverManager.getConnection(url,username,password);

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

return connection;

}

}