**Adding a New Product in the Database.**

**public** **class** Member {

**private** String id, name, cost, quantity;

**public** Member() {

**super**();

}

**public** Member(String id, String name, String cost, String quantity) {

**super**();

**this**.id = id;

**this**.name = name;

**this**.cost = cost;

**this**.quantity = quantity;

}

**public** String getid() {

**return** id;

}

**public** **void** setid(String id) {

**this**.id = id;

}

**public** String getname() {

**return** name;

}

**public** **void** setname(String name) {

**this**.name = name;

}

**public** String getcost() {

**return** cost;

}

**public** **void** setcost(String cost) {

**this**.cost = cost;

}

**public** String getquantity() {

**return** quantity;

}

**public** **void** setquantity(String quantity) {

**this**.quantity = quantity;

}}

**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;

/\*\*

\* Servlet implementation class Register

\*/

@WebServlet("/Register")

**public** **class** Register **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Register() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

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

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

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

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

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

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

Member member = **new** Member(id, name, cost, quantity);

RegisterDao rDao = **new** RegisterDao();

String result = rDao.insert(member);

response.getWriter().print(result);

}}

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

public class RegisterDao {

private String dbUrl = "jdbc:mysql://localhost:3306/test";

private String dbUname = "root";

private String dbPassword = "";

private String dbDriver = "com.mysql.cj.jdbc.Driver";

public void loadDriver(String dbDriver)

{

try {

Class.forName(dbDriver);

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

public Connection getConnection()

{

Connection con = null;

try {

con = DriverManager.getConnection(dbUrl, dbUname, dbPassword);

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

return con;

}

public String insert(Member member)

{

loadDriver(dbDriver);

Connection con = getConnection();

String result = "Data entered successfully";

String sql = "insert into member values(?,?,?,?)";

PreparedStatement ps;

try {

ps = con.prepareStatement(sql);

ps.setString(1, member.getid());

ps.setString(2, member.getname());

ps.setString(3, member.getcost());

ps.setString(4, member.getquantity());

ps.executeUpdate();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

result = "Data not entered";

}

return result;

}

}

JSP:

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=UTF-8"*>

<title>Product Registration</title>

</head>

<body>

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

<table>

<tr><td>Product ID: </td><td><input type=*"text"* name=*"id"*></td></tr>

<tr><td>Product Name: </td><td><input type=*"text"* name=*"name"*></td></tr>

<tr><td>Product Cost: </td><td><input type=*"text"* name=*"cost"*></td></tr>

<tr><td>Quantity: </td><td><input type=*"text"* name=*"quantity"*></td></tr>

<tr><td></td><td><input type=*"submit"* value=*"Register"*></td></tr>

</table>

</form>

</body>

</html>

XML:

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"*

xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd"*

id=*"WebApp\_ID"* version=*"3.1"*>

<display-name>Registration</display-name>

<welcome-file-list>

<welcome-file>memberRegistration.jsp</welcome-file>

</welcome-file-list>

</web-app>