**Phase – II**

**Practice Project – I**

**Retrieving the Product Details Using the Product ID.**

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**Index.html:**

<!DOCTYPE html>

<html>

<head>

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

<title>Product Details</title>

</head>

<body>

<h2 style="text-align: *center*;">Product Details</h2>

<form align=*"center"* action=*'ProductDetails'* method=*"get"*>

Enter Product ID : <input type=*"text"* name=*"pid"*><br> <br>

<input type=*"submit"* value=*"RETRIEVE"*>

</form>

</body>

</html>

**Servlet:**

**Product Details:**

package com;

import java.io.\*;

import java.sql.\*;

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 javax.servlet.RequestDispatcher;

/\*\*

\* Servlet implementation class ProductDetails

\*/

@WebServlet("/DbConnection")

public class ProductDetails extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public ProductDetails() {

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

PrintWriter pw = response.getWriter();

DbConnection pp = new DbConnection();

pp.setPid(Integer.parseInt(request.getParameter("pid")));

response.setContentType("text/html");

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

try {

Connection con = DbConnection.dbConn();

String sql = "select \* from product where pid=(?)";

PreparedStatement ps = con.prepareStatement(sql);

ps.setInt(1, pp.getPid());

ResultSet rs = ps.executeQuery();

RequestDispatcher rd = request.getRequestDispatcher("index.html");

rd.include(request, response);

pw.println("<center><table border=1 width=14% height=10%>");

pw.println("<tr><th>Product Id</th><th>Product Name</th><th>Price</th>");

while (rs.next()) {

// pw.println(rs.getInt(1)+" "+rs.getString(2));

pw.println("<tr><td>" + rs.getInt(1) + "</td><td>" + rs.getString(2) + "</td><td>" + rs.getDouble(3) + "</td></tr></center>");

}

pw.println("</table>");

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

}

catch (ClassNotFoundException e) {

e.printStackTrace();

}

catch (SQLException ep) {

ep.printStackTrace();

}

}

}

**Java Class:**

**DB Connection.java**

package com;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class DbConnection {

int Pid;

String Name;

Double Price;

public int getPid() {

return Pid;

}

public void setPid(int pid) {

Pid = pid;

}

public String getName() {

return Name;

}

public void setPname(String name) {

Name = name;

}

public Double getPrice() {

return Price;

}

public void setPrice(Double price) {

Price = price;

}

public static Connection dbConn() throws ClassNotFoundException, SQLException {

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root", "poiuy@098");

return con;

}

}

**Web.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\_4\_0.xsd"*

id=*"WebApp\_ID"* version=*"4.0"*>

<display-name>p2\_ProductDataRetrieval</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>ProductDetails</servlet-name>

<servlet-class>com.ProductDetails</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ProductDetails</servlet-name>

<url-pattern>/ProductDetails</url-pattern>

</servlet-mapping>

</web-app>