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

**Project objective:**

Create a servlet-based application that shows a form to enter a product ID. The product ID is then validated, and product details are retrieved from the database and displayed to the user. You need to create a product table in MySQL and prepopulate it with data. Use JDBC to do all database processing.

DbConnection:

**package** com.amar.training;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**public** **class** DbConnection {

**public** **static** Connection dbConn() **throws** ClassNotFoundException, SQLException {

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

Connection con=DriverManager.*getConnection*("jdbc:mysql://localhost:3306/product\_details","root","");

**return** con;

}

}

ProductsBean:

**package** com.amar.training;

**public** **class** ProductsBean {

**int** Pid;

String Pname;

Double Price;

**public** **int** getPid() {

**return** Pid;

}

**public** **void** setPid(**int** pid) {

Pid = pid;

}

**public** String getPname() {

**return** Pname;

}

**public** **void** setPname(String pname) {

Pname = pname;

}

**public** Double getPrice() {

**return** Price;

}

**public** **void** setPrice(Double price) {

Price = price;

}

}

Retrive:

**package** com.amar.training;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Retrive

\*/

**public** **class** Retrive **extends** HttpServlet {

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

/\*\*

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

\*/

**public** Retrive() {

**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 {

PrintWriter pw=response.getWriter();

ProductsBean pb=**new** ProductsBean();

pb.setPid(Integer.*parseInt*(request.getParameter("pid")));

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

response.setContentType("text/html");

**try** {

Connection con=DbConnection.dbConn();

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

PreparedStatement ps=con.prepareStatement(sql);

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

ResultSet rs=ps.executeQuery();

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

rd.include(request, response);

pw.print("<br><center><h3>Product Details</h3><br></center>");

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>");

//rd.include(request, response);

} **catch** (ClassNotFoundException e) {

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

e.printStackTrace();

} **catch** (SQLException e) {

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

e.printStackTrace();

}

}

}