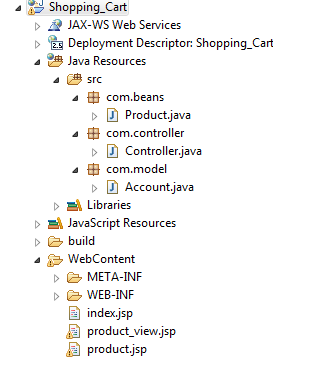
Lect 6:

Shopping Cart



index.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!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=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>This is my Cart</h1>

<table width=*"100%"* height=*"100%"* border=*"0"*>

<tr>

<td width=*"25%"* height=*"100%"*>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=1"*>Mobiles</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=2"*>Desktops</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=3"*>Laptops</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=4"*>Cameras</a>

</td>

<td>

</td>

</tr>

</table>

</body>

</html>

**Product.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@ page import=*"java.util.ArrayList"* %>

<%@ page import=*"com.beans.Product"* %>

<!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=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>This is my Cart</h1>

<table width=*"100%"* height=*"100%"* border=*"0"*>

<tr>

<td width=*"25%"* height=*"100%"*>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=1"*>Mobiles</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=2"*>Desktops</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=3"*>Laptops</a>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=category&id=4"*>Cameras</a>

</td>

<td>

<%

ArrayList<Product> list = (ArrayList<Product>)session.getAttribute("list");

**for**(Product p:list){

String name = p.getName();

String price = p.getPrice();

String short\_desc= p.getShort\_desc();

String desc = p.getDesc();

out.println("<h2>" + name + "</h2>");

out.println("Price: " + price + "<BR>");

out.println(short\_desc);

%>

<BR>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=product&name=*<%=name %>*"*>Read More</a>

<%

}

%>

</td>

</tr>

</table>

</body>

</html>

**product\_view.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<%@ page import=*"java.util.ArrayList"* %>

<%@ page import=*"com.beans.Product"* %>

<!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=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<%

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

ArrayList<Product> list = (ArrayList<Product>)session.getAttribute("list");

%>

<h1>This is my Cart</h1>

<table width=*"100%"* height=*"100%"* border=*"0"*>

<tr>

<td width=*"25%"* height=*"100%"*>

<%

**for**(Product p :list){

%>

<h2><a href=*"*<%=request.getContextPath() %>*/Controllerproduct&name=*<%=p.getName() %>*"*><%=p.getName() %></a></h2>

<%

}

%>

</td>

<td>

<%

**for**(Product p :list){

**if**(p.getName().equals(name)){

out.println("<h2>" + name + "</h2>");

out.println("Price: " + p.getPrice() + "<BR>");

out.println("Fulll Desc: <BR>" +p.getDesc());

}

}

%>

</td>

</tr>

</table>

</body>

</html>

**Controller.java**

**package com.controller;**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.util.ArrayList;**

**import javax.servlet.ServletException;**

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

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

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

**import javax.servlet.http.HttpSession;**

**import com.beans.Product;**

**import com.model.Account;**

**public class Controller extends HttpServlet {**

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

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

**String action=request.getParameter("action");**

**if(action == null){**

**request.getRequestDispatcher("index.jsp").forward(request, response);**

**}**

**else{**

**doPost(request,response);**

**}**

**}**

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

**String action=request.getParameter("action"); //category**

**ArrayList<Product> list = new ArrayList<Product>();**

**if(action.equals("category")){**

**int cat\_id=Integer.parseInt(request.getParameter("id"));**

**PrintWriter out = response.getWriter();**

**out.print(cat\_id);**

**Account account = new Account();**

**try {**

**list = account.getProduct(cat\_id);**

**HttpSession session = request.getSession();**

**session.setAttribute("list", list);**

**request.getRequestDispatcher("product.jsp").forward(request, response);**

**} catch (Exception e) {}**

**}**

**if(action.equals("product")){**

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

**request.setAttribute("name", name);**

**request.getRequestDispatcher("product\_view.jsp").forward(request, response);**

**}**

**}**

**}**

**Account.java**

**package** com.model;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.util.ArrayList;

**import** com.beans.Product;

**public** **class** Account {

String user = "root";

String password="";

String url="jdbc:mysql://localhost:3306/";

String dbname="shop";

String driver="com.mysql.jdbc.Driver";

Connection con;

ArrayList<Product> list = **new** ArrayList<Product>();

**public** ArrayList<Product> getProduct(**int** cat\_id) **throws** Exception{

dbConnect();

String sql="select \* from product where cat\_id=?";

PreparedStatement pstmt = con.prepareStatement(sql);

pstmt.setInt(1, cat\_id);

ResultSet rst = pstmt.executeQuery();

**while**(rst.next()){

Product product = **new** Product();

product.setName(rst.getString("name"));

product.setPrice(rst.getString("price"));

product.setShort\_desc(rst.getString("short\_desc"));

product.setDesc(rst.getString("desc"));

list.add(product);

product=**null**;

}

rst.close();

pstmt.close();

dbClose();

**return** list;

}

**private** **void** dbConnect() **throws** ClassNotFoundException, SQLException{

Class.*forName*(driver);

con = DriverManager.*getConnection*(url+dbname,user,password);

}

**private** **void** dbClose() **throws** SQLException{

con.close();

}

}

**Product.java**

**package** com.beans;

**public** **class** Product {

**private** String name;

**private** String price;

**private** String short\_desc;

**private** String desc;

**public** String getName() {

**return** name;

}

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

**this**.name = name;

}

**public** String getPrice() {

**return** price;

}

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

**this**.price = price;

}

**public** String getShort\_desc() {

**return** short\_desc;

}

**public** **void** setShort\_desc(String short\_desc) {

**this**.short\_desc = short\_desc;

}

**public** String getDesc() {

**return** desc;

}

**public** **void** setDesc(String desc) {

**this**.desc = desc;

}

}