**ADVANCED JAVA PROGRAMMING**

**SEMINAR**

**TEAM-3**

8. Create a catalogue page containing the book’s details like: cover image, book name, authors, description, price and an Add to Cart button. Also create a cart page which shows details like: book name, price, quantity, amount and total amount to be paid. Using JSP display the content in the cart page dynamically by retrieving the data from sessions.

**STEPS INVOLVED:**

1. Creating a database with tables for cart, books and author
2. Creating a catalog page that shows the books and their details
3. Along with the add button
4. Creating a cart page where the user enters the quantity needed and gets the total amount to be paid

**SOFTWARE USED:**

1. NETBEANS
2. APACHE TOMCAT
3. NETBEANS
4. PHPMYADMIN
5. BROWSER

**CODES:**

**CATALOG.JSP**

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.sql.DriverManager"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

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

<title>JSP Page</title>

</head>

<body>

<center>

<table border ="1">

<tr>

<th> book id</th>

<th>book name</th>

<th>author id</th>

<th>author name</th>

<th>description</th>

<th>price</th>

<th>cover image</th>

<th> add to cart </th>

</tr>

<%

try{

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

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/library", "root", "");

Statement st= con.createStatement();

String str="select \* from books inner join author on author.author\_id=books.author\_id";

ResultSet rs=st.executeQuery(str);

while(rs.next()){

%>

<tr>

<td><%=rs.getString("book\_id")%></td>

<td><%=rs.getString("book\_name")%></td>

<td><%=rs.getString("author\_id")%></td>

<td><%=rs.getString("author\_name")%></td>

<td><%=rs.getString("description")%></td>

<td><%=rs.getString("price")%></td>

<td><%=rs.getString("url")%></td>

<td><button><a href="addtocart.jsp?id=<%=rs.getString("book\_id")%>">Add to Cart</a></button></td>

</tr>

<%

}

}catch(Exception e){

e.printStackTrace();

}%>

</table>

</center>

</body>

</html>

**ADDTOCART.JSP:**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.sql.\*" %>

<%

if(request.getParameter("submit")!=null)

{

String book\_id = request.getParameter("book\_id");

String book\_name = request.getParameter("book\_name");

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

Connection con;

PreparedStatement str;

ResultSet rs;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/library","root","");

str = con.prepareStatement("update books set book\_name = ?,price=? where book\_id = ?");

str.setString(1, book\_name);

str.setString(2, price);

str.setString(3, book\_id);

str.executeUpdate();

%>

<script>

alert("added to cart");

</script>

<%

}

%>

<!DOCTYPE html>

<html>

<head>

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

<title>JSP Page</title>

<script>

function multiplyBy()

{

num1 = document.getElementById(

"quantity").value;

num2 = document.getElementById(

"price").value;

document.getElementById(

"result").innerHTML = num1 \* num2;

}

</script>

</head>

<body>

<h1>cart page</h1>

<div class="row">

<div class="col-sm-4">

<form method="POST" action="#" >

<%

Connection con;

PreparedStatement str;

ResultSet rs;

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

con = DriverManager.getConnection("jdbc:mysql://localhost/library","root","");

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

str = con.prepareStatement("select \* from books where book\_id=?");

str.setString(1, id);

rs = str.executeQuery();

while(rs.next())

{

%>

<div alight="left">

<label class="form-label">Book \_id: </label><br>

<input type="text" class="form-control" placeholder="book\_id" size="25" value="<%= rs.getString("book\_id")%>" name="book\_id" id="book\_id" disabled >

</div>

<div alight="left">

<label class="form-label">Book\_name:</label><br>

<input type="text" class="form-control" placeholder="book\_name" name="book\_name" value="<%= rs.getString("book\_name")%>" id="book\_name" size="50" disabled >

</div>

<div alight="left">

<label class="form-label">price: </label><br>

<input type="text" class="form-control" placeholder="price" name="price" size="25" id="price" value="<%= rs.getString("price")%>" disabled >

</div>

<div alight="left">

<label class="form-label">quantiy: </label><br>

<input type="text" class="form-control" name="quantity" size="25" value="1" id="quantity" required >

</div>

<div><br>

<input type="button" onClick="multiplyBy()" Value="get total" /><br>

<p>The total is : $

<span id = "result"></span>

</p></div>

<% } %>

</br>

<div alight="right">

<input type="submit" id="submit" value="add to cart" name="submit" class="btn btn-info"><br></div>

<div align="left">

<p><a href="catalog.jsp">go back</a></p>

</div>

</form>

</div>

</div>

</body>

</html>

OUTPUT:





