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package com.chiru;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
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 transaction
 */
public class transaction extends HttpServlet {
    private static final long serialVersionUID = 1L;

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

        Connection con = null;
        try {
            Class.forName("com.ibm.db2.jcc.DB2Driver");
            con = DriverManager.getConnection(
                "jdbc:db2://db2serv01.cs.stonybrook.edu:50000/teamdb61:retrieveMessagesFromServerOnGe
                tMessage=true;", "cseteam61", "Balawat61");

        } catch (Exception e1) {
            // TODO Auto-generated catch block
            e1.printStackTrace();
        }

        String cus = request.getParameter("customer");
        String sql1 = "select count(USERID) from CSETEAM61.USERS where USERID = ?";
        String sql2 = "select * from CSETEAM61.SALES where USERID = ? order by ADVTID";
        String sql = "select * from CSETEAM61.SALES where ADVTID in (select ADVTID from
        CSETEAM61.ADVERTISEMENTS where ITEMNAME = ?)";
        String sql3 = "select count(*) from (select * from CSETEAM61.SALES where USERID = ?
        order by ADVTID)";
        String sql4 = "select count(*) from (select * from CSETEAM61.SALES where ADVTID in
        (select ADVTID from CSETEAM61.ADVERTISEMENTS where ITEMNAME = ?))";
        ResultSet rs = null;
        PreparedStatement ps = null;

        try {
            ps = con.prepareStatement(sql1);
            ps.setString(1, cus);
            rs = ps.executeQuery();
            rs.next();

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int num = 0;
int count = Integer.parseInt(rs.getString(1));
if(count==1){

    ps = con.prepareStatement(sql3);
    ps.setString(1, cus);
    rs = ps.executeQuery();
    rs.next();
    num = Integer.parseInt(rs.getString(1));
    ps = con.prepareStatement(sql2);
    ps.setString(1, cus);
    rs = ps.executeQuery();

}
else {

    ps = con.prepareStatement(sql4);
    ps.setString(1, cus);
    rs = ps.executeQuery();
    rs.next();
    num = Integer.parseInt(rs.getString(1));
    ps = con.prepareStatement(sql);
    ps.setString(1, cus);
    rs = ps.executeQuery();

}

String retValues[][] = new String [num][5];
int j = 0;
while(rs.next()){

    for(int i = 0;i<5;i++){
        retValues[j][i] = rs.getString(i+1);
    }
    j++;
}

request.getSession().setAttribute("retvalues", retValues);
RequestDispatcher requestDispatcher = getServletContext().getRequestDispatcher(
"/dispTrans.jsp");
requestDispatcher.forward(request,response);

} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
finally{
    try {
        rs.close();
        con.close();
    } catch (SQLException e) {
```

```
        // TODO Auto-generated catch block
        e.printStackTrace();
    }

}

}
```