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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 revenue
 */
public class revenue extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {

        String sql = "SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE FROM CSETEAM61.SALES A,
        CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND B.ITEMNAME = ?" ;
        String sql1 = "SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE FROM CSETEAM61.SALES A,
        CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND B.ADVTTYPE = ?" ;
        String sql2 = "SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE FROM CSETEAM61.SALES A,
        CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND A.USERID = ?" ;
        String checkip = "select COUNT(USERID) from CSETEAM61.USERS WHERE USERID = ?" ;
        String checkip1 = "SELECT COUNT(DISTINCT ITEMNAME) FROM CSETEAM61.ADVERTISEMENTS WHERE
        ITEMNAME = ?";
        String checkip2 = "SELECT COUNT(DISTINCT ADVTTYPE) FROM CSETEAM61.ADVERTISEMENTS WHERE
        ADVTTYPE = ?";
        String csq1 = "SELECT COUNT(*) FROM (SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE
        FROM CSETEAM61.SALES A, CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND
        B.ITEMNAME = ?)";
        String csq11 = "SELECT COUNT(*) FROM (SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE
        FROM CSETEAM61.SALES A, CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND
        B.ADVTTYPE = ?)";
        String csq12 = "SELECT COUNT(*) FROM (SELECT A.DATETIME, A.NOOFUNITSOLD, B.UNITPRICE
        FROM CSETEAM61.SALES A, CSETEAM61.ADVERTISEMENTS B WHERE A.ADVTypeID = B.ADVTypeID AND
        A.USERID = ?)";

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

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        tMessage=true;", "cseteam61", "Balawat61");

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

    String input = request.getParameter("listrevenue");

    checking(input, con, checkip, csq12, sql2, request, response);
    checking(input, con, checkip1, csq1, sql, request, response);
    checking(input, con, checkip2, csq11, sql1, request, response);

}

public void doNext(ResultSet rs, int num, HttpServletRequest request, HttpServletResponse
response, String input){

    String retvalues[][] = new String [num][3];
    int j = 0;
    try {
        while(rs.next()){

            for(int i = 0;i<3;i++){
                retvalues[j][i] = rs.getString(i+1);
            }
            j++;
        }

        request.getSession().setAttribute("retvalues", retvalues);
        request.getSession().setAttribute("retinput", input);
        RequestDispatcher requestDispatcher = getServletContext().getRequestDispatcher (
            "/disprevenue.jsp");
        requestDispatcher.forward(request,response);

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

public void checking(String input, Connection con, String checkip, String csq1, String sql,
HttpServletRequest request, HttpServletResponse response){

    ResultSet rs = null;
    PreparedStatement ps = null;
    int count = 0;
    int num = 0;
    try {
        ps = con.prepareStatement(checkip);
        ps.setString(1, input);
        rs = ps.executeQuery();
        rs.next();

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count = Integer.parseInt(rs.getString(1));
if(count>0){
    ps = con.prepareStatement(csql);
    ps.setString(1, input);
    rs = ps.executeQuery();
    rs.next();
    num = Integer.parseInt(rs.getString(1));
    ps = con.prepareStatement(sql);
    ps.setString(1, input);
    rs = ps.executeQuery();
    doNext(rs, num, request, response, input);
}

}

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

}

}
```