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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 java.text.SimpleDateFormat;
import java.util.Calendar;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class sendMessage extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public 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();
        }

        Calendar currentDate = Calendar.getInstance();
        SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
        String dateNow = formatter.format(currentDate.getTime());

        String user = (String) request.getSession().getAttribute("curr_user");
        String recv = (String) request.getSession().getAttribute("therecv");
        String sub = request.getParameter("subject");
        String content = request.getParameter("content");

        String sql1 = "select count(*) from CSETEAM61.UMESSAGES";
        String msginsert = "insert into CSETEAM61.UMESSAGES values (?, ?, ?, ?, ?)";
        String msgrecv = "insert into CSETEAM61.MSGRECEIVER values (?, ?)";
        ResultSet rs = null;
        int success = 0;

        try {
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        PreparedStatement ps = con.prepareStatement(sql1);
        rs = ps.executeQuery();
        rs.next();
        int count = Integer.parseInt(rs.getString(1)) + 1;

        ps = con.prepareStatement(msginsert);
        ps.setString(1, Integer.toString(count));
        ps.setString(2, dateNow);
        ps.setString(3, sub);
        ps.setString(4, content);
        ps.setString(5, user);
        success = ps.executeUpdate();

        ps = con.prepareStatement(msgrecv);
        ps.setString(1, Integer.toString(count));
        ps.setString(2, recv);
        success &= ps.executeUpdate();

        if(success!=0)
            System.out.println("message successfully sent");

        RequestDispatcher requestDispatcher = getServletContext().getRequestDispatcher(
            "/home.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();
        }
    }
}
}
}

```