package helper;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.HashMap;

import java.util.List;

import org.apache.commons.dbutils.QueryRunner;

import org.apache.commons.dbutils.handlers.BeanListHandler;

import org.apache.commons.dbutils.handlers.MapListHandler;

import org.apache.commons.net.DatabaseHelper;

import com.database.ConnectionManager;

public class DBUtils /\*extends DatabaseHelper \*/{

public static List getBeanList(Class cls, String query) {

Connection conn = null;

List beans = null;

try {

conn = ConnectionManager.getDBConnection();

QueryRunner qRunner = new QueryRunner();

beans = (List) qRunner.query(conn, query, new BeanListHandler(cls));

System.out.println("Executing "+query);

} catch (SQLException e) {

// handle the exception

e.printStackTrace();

} finally {

ConnectionManager.closeConnection(conn);

}

return beans;

}

public static List getMapList(String query) {

Connection conn = null;

List beans = null;

try {

conn =ConnectionManager.getDBConnection();

QueryRunner qRunner = new QueryRunner();

beans = (List) qRunner.query(conn, query, new MapListHandler());

System.out.println("Executing "+query);

} catch (SQLException e) {

// handle the exception

e.printStackTrace();

} finally {

ConnectionManager.closeConnection(conn);

}

return beans;

}

public static List getMapList(String query, Object... param) {

Connection conn = null;

List beans = null;

try {

conn =ConnectionManager.getDBConnection();

QueryRunner qRunner = new QueryRunner();

beans = (List) qRunner.query(conn, query, new MapListHandler(),param);

System.out.println("Executing "+query);

} catch (SQLException e) {

// handle the exception

e.printStackTrace();

} finally {

ConnectionManager.closeConnection(conn);

}

return beans;

}

public static List getParameterizedList(String query, Object... param) {

Connection conn = null;

List beans = null;

try {

conn =ConnectionManager.getDBConnection();

QueryRunner qRunner = new QueryRunner();

beans = (List) qRunner.query(conn, query, new MapListHandler(),

param);

System.out.println("Executing "+query);

} catch (SQLException e) {

// handle the exception

e.printStackTrace();

} finally {

ConnectionManager.closeConnection(conn);

}

return beans;

}

public static int executeUpdate(String query, Object... param) {

Connection conn = null;

int beans = 0;

try {

conn = ConnectionManager.getDBConnection();

QueryRunner qRunner = new QueryRunner();

if(param!=null)

beans = qRunner.update(conn, query, param);

else

beans = qRunner.update(conn, query);

System.out.println("Executing "+query);

} catch (SQLException e) {

e.printStackTrace();

} finally {

ConnectionManager.closeConnection(conn);

}

return beans;

}

public static boolean dataExists(String query) {

boolean success=false;

Connection conn=null;

ResultSet rs =null;

try{

conn=ConnectionManager.getDBConnection();

rs = conn.createStatement().executeQuery(query);

System.out.println("Executing "+query);

if(rs.next()){

success=true;

}

}

catch (Exception e) {

e.printStackTrace();

}

finally{

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

return success;

}

public static String getMaxValueStr(String query) {

String success="";

Connection conn=null;

ResultSet rs =null;

try{

conn=ConnectionManager.getDBConnection();

rs = conn.createStatement().executeQuery(query);

if(rs.next()){

success=rs.getString(1);

}

}

catch (Exception e) {

e.printStackTrace();

}

finally{

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

return success;

}

public static int getMaxValue(String query) {

int success=-1;

Connection conn=null;

ResultSet rs =null;

try{

conn=ConnectionManager.getDBConnection();

rs = conn.createStatement().executeQuery(query);

if(rs.next()){

success=rs.getInt(1);

}

}

catch (Exception e) {

e.printStackTrace();

}

finally{

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

return success;

}

public static HashMap getQueryMap(String query) {

HashMap map=new HashMap();

int success=-1;

Connection conn=null;

ResultSet rs =null;

try{

conn=ConnectionManager.getDBConnection();

rs = conn.createStatement().executeQuery(query);

while(rs.next()){

String key=rs.getString(1);

String value=rs.getString(2);

map.put(key, value);

}

}

catch (Exception e) {

e.printStackTrace();

}

finally{

try {

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

return map;

}

}