import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

public class DBUtils {

public static UserAccount findUser(Connection conn, //

String userName, String password) throws SQLException {

String sql = "Select a.User\_Name, a.Password, a.Gender from User\_Account a " //

+ " where a.User\_Name = ? and a.password= ?";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, userName);

pstm.setString(2, password);

ResultSet rs = pstm.executeQuery();

if (rs.next()) {

String gender = rs.getString("Gender");

UserAccount user = new UserAccount();

user.setUserName(userName);

user.setPassword(password);

user.setGender(gender);

return user;

}

return null;

}

public static UserAccount findUser(Connection conn, String userName) throws SQLException {

String sql = "Select a.User\_Name, a.Password, a.Gender from User\_Account a "//

+ " where a.User\_Name = ? ";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, userName);

ResultSet rs = pstm.executeQuery();

if (rs.next()) {

String password = rs.getString("Password");

String gender = rs.getString("Gender");

UserAccount user = new UserAccount();

user.setUserName(userName);

user.setPassword(password);

user.setGender(gender);

return user;

}

return null;

}

public static List<Product> queryProduct(Connection conn) throws SQLException {

String sql = "Select a.Code, a.Name, a.Price from Product a ";

PreparedStatement pstm = conn.prepareStatement(sql);

ResultSet rs = pstm.executeQuery();

List<Product> list = new ArrayList<Product>();

while (rs.next()) {

String code = rs.getString("Code");

String name = rs.getString("Name");

float price = rs.getFloat("Price");

Product product = new Product();

product.setCode(code);

product.setName(name);

product.setPrice(price);

list.add(product);

}

return list;

}

public static Product findProduct(Connection conn, String code) throws SQLException {

String sql = "Select a.Code, a.Name, a.Price from Product a where a.Code=?";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, code);

ResultSet rs = pstm.executeQuery();

while (rs.next()) {

String name = rs.getString("Name");

float price = rs.getFloat("Price");

Product product = new Product(code, name, price);

return product;

}

return null;

}

public static void updateProduct(Connection conn, Product product) throws SQLException {

String sql = "Update Product set Name =?, Price=? where Code=? ";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, product.getName());

pstm.setFloat(2, product.getPrice());

pstm.setString(3, product.getCode());

pstm.executeUpdate();

}

public static void insertProduct(Connection conn, Product product) throws SQLException {

String sql = "Insert into Product(Code, Name,Price) values (?,?,?)";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, product.getCode());

pstm.setString(2, product.getName());

pstm.setFloat(3, product.getPrice());

pstm.executeUpdate();

}

public static void deleteProduct(Connection conn, String code) throws SQLException {

String sql = "Delete From Product where Code= ?";

PreparedStatement pstm = conn.prepareStatement(sql);

pstm.setString(1, code);

pstm.executeUpdate();

}

}