package com.example.hospital.bean;

public class Patient {

private int id;

private String name;

private String address;

private String phoneNumber;

// Constructors, getters, and setters

}

package com.example.hospital.entity;

public class PatientEntity {

private int id;

private String name;

private String address;

private String phoneNumber;

// Constructors, getters, and setters

}

package com.example.hospital.kce;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import com.example.hospital.entity.PatientEntity;

import com.example.hospital.util.DBUtil;

public class PatientKce {

public void addPatient(PatientEntity patient) {

try (Connection connection = DBUtil.getConnection();

PreparedStatement statement = connection.prepareStatement("INSERT INTO patients (name, address, phone\_number) VALUES (?, ?, ?)")) {

statement.setString(1, patient.getName());

statement.setString(2, patient.getAddress());

statement.setString(3, patient.getPhoneNumber());

int rowsInserted = statement.executeUpdate();

if (rowsInserted > 0) {

System.out.println("Patient record inserted successfully.");

} else {

System.out.println("Failed to insert patient record.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

public List<PatientEntity> getAllPatients() {

List<PatientEntity> patients = new ArrayList<>();

try (Connection connection = DBUtil.getConnection();

PreparedStatement statement = connection.prepareStatement("SELECT \* FROM patients");

ResultSet resultSet = statement.executeQuery()) {

while (resultSet.next()) {

PatientEntity patient = new PatientEntity();

patient.setId(resultSet.getInt("id"));

patient.setName(resultSet.getString("name"));

patient.setAddress(resultSet.getString("address"));

patient.setPhoneNumber(resultSet.getString("phone\_number"));

patients.add(patient);

}

} catch (SQLException e) {

e.printStackTrace();

}

return patients;

}

public void updatePatient(PatientEntity patient) {

try (Connection connection = DBUtil.getConnection();

PreparedStatement statement = connection.prepareStatement("UPDATE patients SET name = ?, address = ?, phone\_number = ? WHERE id = ?")) {

statement.setString(1, patient.getName());

statement.setString(2, patient.getAddress());

statement.setString(3, patient.getPhoneNumber());

statement.setInt(4, patient.getId());

int rowsUpdated = statement.executeUpdate();

if (rowsUpdated > 0) {

System.out.println("Patient record updated successfully.");

} else {

System.out.println("Failed to update patient record.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

public void deletePatient(int patientId) {

try (Connection connection = DBUtil.getConnection();

PreparedStatement statement = connection.prepareStatement("DELETE FROM patients WHERE id = ?")) {

statement.setInt(1, patientId);

int rowsDeleted = statement.executeUpdate();

if (rowsDeleted > 0) {

System.out.println("Patient record deleted successfully.");

} else {

System.out.println("Failed to delete patient record.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

package com.example.hospital.util;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class DBUtil {

public static Connection getConnection() throws SQLException {