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| FPT POLYTECHNIC |
| **DỰ ÁN 1** |
| NGÀNH CÔNG NGHỆ THÔNG TIN (PHÁT TRIỂN PHẦN MỀM) |



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| QUY NHƠN 2024 |

**XÂY DỰNG ỨNG DỤNG QUẢN LÝ QUÁN ĂN**

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| GIẢNG VIÊN HƯỚNG DẪN: Thầy Phạm Tiến Huy  NHÓM 4 |
| SINH VIÊN THỰC HIỆN |
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# Phân tích

## Hiện trạng

**Hiện nay, nhiều quán ăn hiện nay vẫn quản lý hoạt động kinh doanh một cách thủ công hoặc sử dụng các công cụ không đồng bộ, gây ra nhiều khó khăn trong việc kiểm soát và vận hành. Những vấn đề phổ biến bao gồm:**

* **Quản lý hóa đơn không hiệu quả:** Việc tạo và theo dõi hóa đơn có thể gặp sai sót, dẫn đến thất thoát tài chính.
* **Quản lý thực đơn không chặt chẽ:** Khó khăn trong việc cập nhật và theo dõi tình trạng món ăn, đặc biệt là khi có sự thay đổi về giá cả hoặc nguyên liệu.
* **Quản lý nhân viên thủ công:** Không có hệ thống quản lý nhân viên chặt chẽ, gây khó khăn trong việc chấm công và theo dõi hiệu suất làm việc.
* **Khó khăn trong việc theo dõi doanh thu và chi phí:** Thiếu hệ thống báo cáo chính xác và kịp thời, dẫn đến khó khăn trong việc quản lý tài chính.

## Yêu cầu hệ thống

**Ứng dụng quản lý quán ăn cần đáp ứng các yêu cầu sau:**

* **Quản lý Nhân Viên:**
* **Thêm, xóa, sửa thông tin nhân viên.**
* **Phân công ca làm việc.**
* **Quản lý Bàn Ăn:**
* **Theo dõi tình trạng bàn.**
* **Thay đổi trạng thái bàn.**
* **Quản lý Đồ Ăn:**
* **Thêm, xóa, sửa thông tin món ăn.**
* **Phân loại món ăn.**
* **Quản lý giá.**
* **Quản lý Hóa Đơn:**
* **Tạo hóa đơn mới.**
* **Cập nhật hóa đơn.**
* **In hóa đơn.**
* **Theo dõi doanh thu.**
* **Báo cáo:**
* **Thống kê doanh thu theo ngày, tháng, năm.**

## Yêu cầu nghiệp vụ

**A. Đối tượng sử dụng**

**Chủ quán ăn**: Người quản lý toàn bộ hoạt động kinh doanh của quán.

**Nhân viên**: Những người trực tiếp phục vụ, nhận đơn, tạo hóa đơn và quản lý bàn ăn.

**B. Nghiệp vụ cho từng đối tượng**

**Chủ quán ăn**:

* + **Quản lý toàn diện**: Chủ quán có thể giám sát và quản lý tất cả các hoạt động trong quán, từ doanh thu đến nhân viên.
  + **Theo dõi báo cáo**: Xem báo cáo tài chính chi tiết, doanh thu, chi phí, lợi nhuận, và thống kê các món ăn bán chạy.
  + **Quản lý thực đơn và giá cả**: Thêm, sửa, xóa các món ăn và thay đổi giá cả, cập nhật thực đơn khi cần.
  + **Quản lý nhân viên**: Thêm, sửa, xóa thông tin nhân viên, phân quyền truy cập và theo dõi hiệu suất làm việc của từng nhân viên.

**Nhân viên**:

* + **Nhận đơn và tạo hóa đơn**: Nhân viên nhận đơn từ khách hàng, tạo hóa đơn và tính toán tổng số tiền phải trả.
  + **Quản lý bàn ăn**: Theo dõi và cập nhật tình trạng bàn ăn, hỗ trợ đặt bàn khi cần thiết.
  + **Quản lý món ăn**: Theo dõi tình trạng món ăn trong thực đơn, báo cáo khi có món ăn hết hoặc cần nhập thêm nguyên liệu.

**C. Phân quyền**

**Chủ quán ăn**:

* + **Toàn quyền quản lý**: Chủ quán có quyền truy cập toàn bộ hệ thống, bao gồm quản lý nhân viên, thực đơn, hóa đơn, bàn ăn.
  + **Quyền xem và phân tích báo cáo**: Chủ quán có thể truy cập và phân tích các báo cáo tài chính, doanh thu, và hiệu suất kinh doanh.

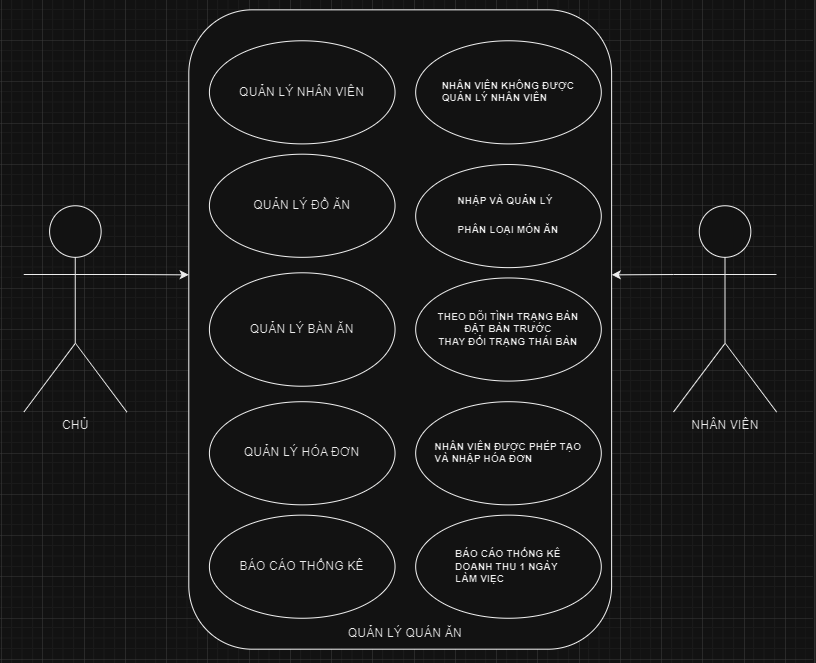
**Nhân viên**:

* + **Quản lý đơn hàng**: Nhân viên có quyền tạo và quản lý hóa đơn, nhưng không thể xóa hóa đơn đã tạo.
  + **Quản lý bàn ăn**: Nhân viên có quyền cập nhật tình trạng bàn ăn, nhưng không thể xóa hoặc thay đổi thông tin bàn ăn.

## Use case

Một số tình huống sử dụng chính cho ứng dụng quản lý quán ăn:

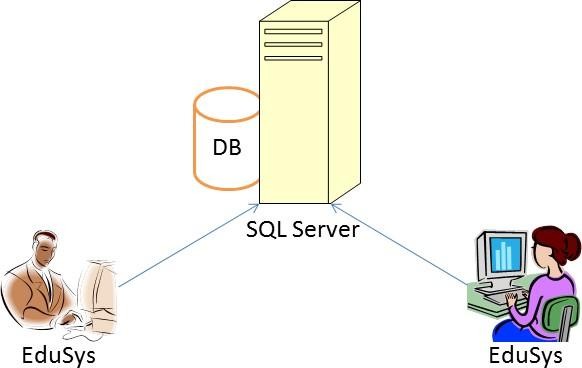
* **Chủ quán kiểm tra báo cáo doanh thu**: Chủ quán truy cập hệ thống để xem báo cáo doanh thu hàng ngày, hàng tuần, hoặc hàng tháng, cùng với các báo cáo chi phí và lợi nhuận.
* **Nhân viên tạo hóa đơn**: Khi khách hàng gọi món, nhân viên nhập đơn hàng vào hệ thống, tạo hóa đơn và tính toán tổng số tiền khách hàng cần thanh toán.
* **Chủ quán cập nhật thực đơn**: Chủ quán có thể thêm món ăn mới, thay đổi giá món ăn hiện có, hoặc xóa các món ăn không còn phục vụ.
* **Nhân viên quản lý bàn ăn**: Nhân viên cập nhật tình trạng bàn ăn khi khách đến và rời đi, và báo cáo nếu cần dọn dẹp hoặc chuẩn bị bàn cho khách hàng mới.



# Thiết kế

## Mô hình triển khai

Ứng dụng phần mềm được xây dựng để phục vụ cho nhiều người dùng nhưng cơ sở dữ liệu thì lưu trữ tập trung.



* + - Cần một máy cài SQL Server 2008+. Máy này cần hệ điều hành window xp trở lên
    - Các máy nhân viên phòng đào tạo cài phần mềm edusys. Các máy nhân viên cần JDK 1.8+ với hệ điều hành bất ký

## Thiết kế CSDL

### Sơ đồ quan hệ thực thể

Trong hệ thống đã được mô tả trên chúng ta thấy có các thực thể sau:

**NhanVien**: Bảng này lưu thông tin nhân viên của quán ăn.

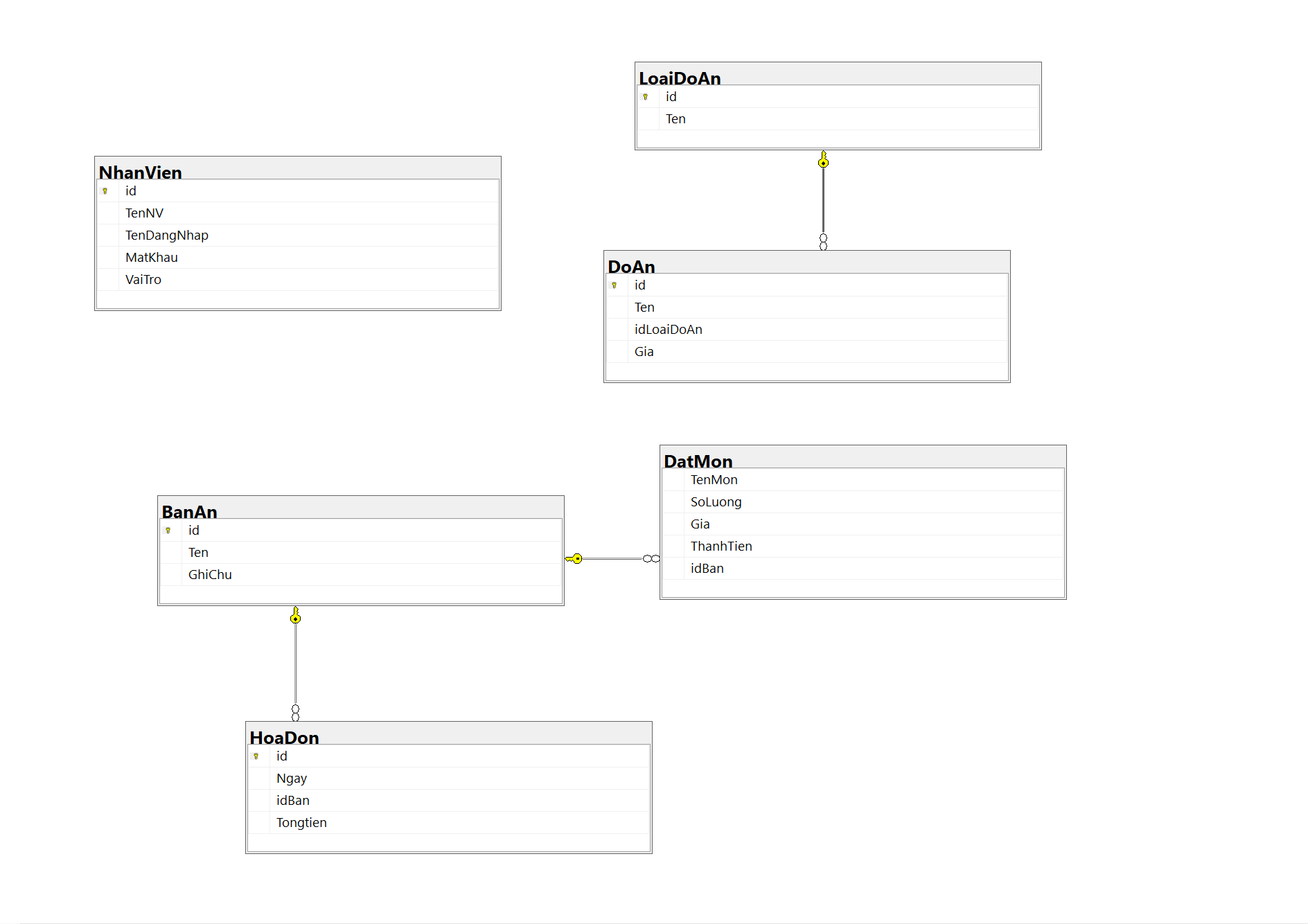
**BanAn**: Bảng này lưu thông tin các bàn ăn.

**LoaiDoAn**: Bảng này lưu thông tin loại đồ ăn trong quán.

**DoAn**: Bảng này lưu thông tin các đồ ăn trong loại đồ ăn.

**HoaDon**: Bảng này lưu thông tin hóa đơn của các order.

**Sơ đồ ERD:**



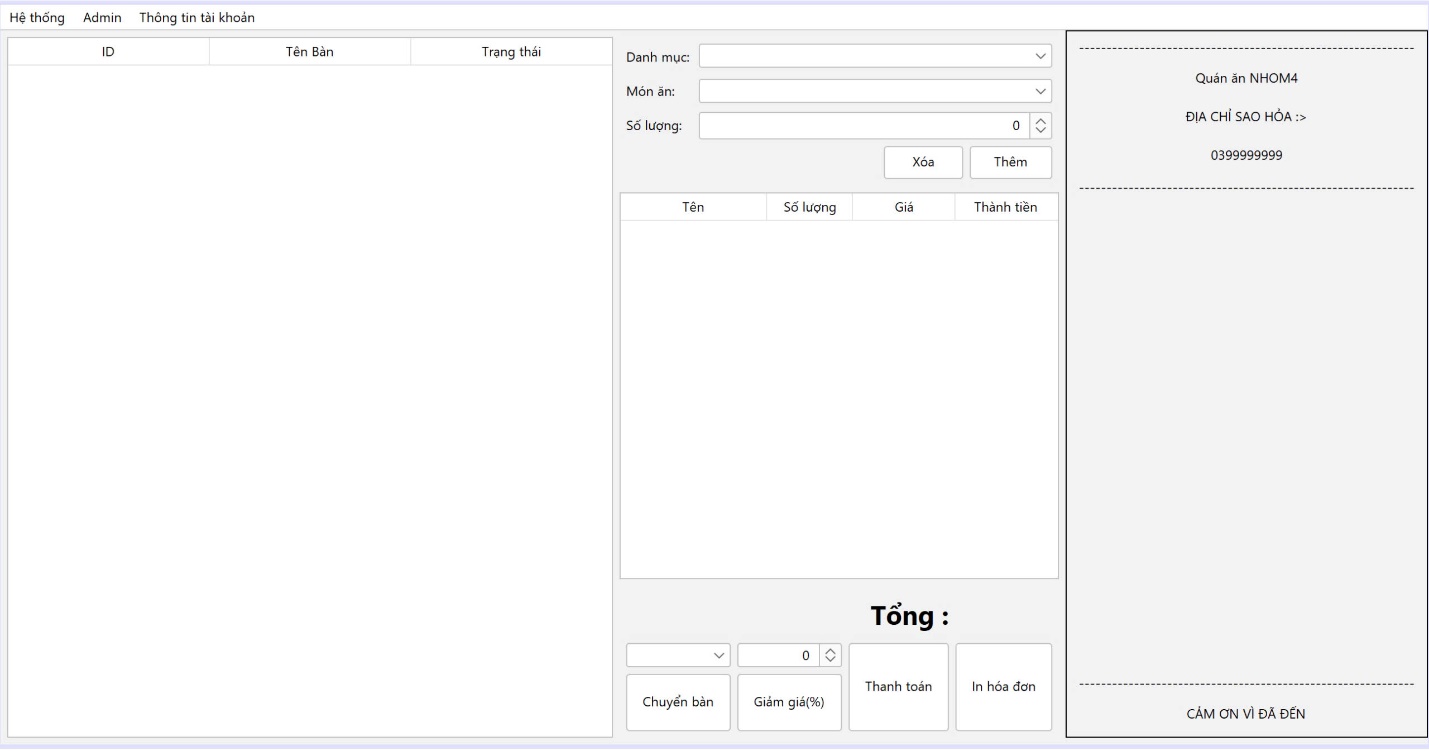
## Thiết kế giao diện

### Sơ đồ tổ chức giao diện

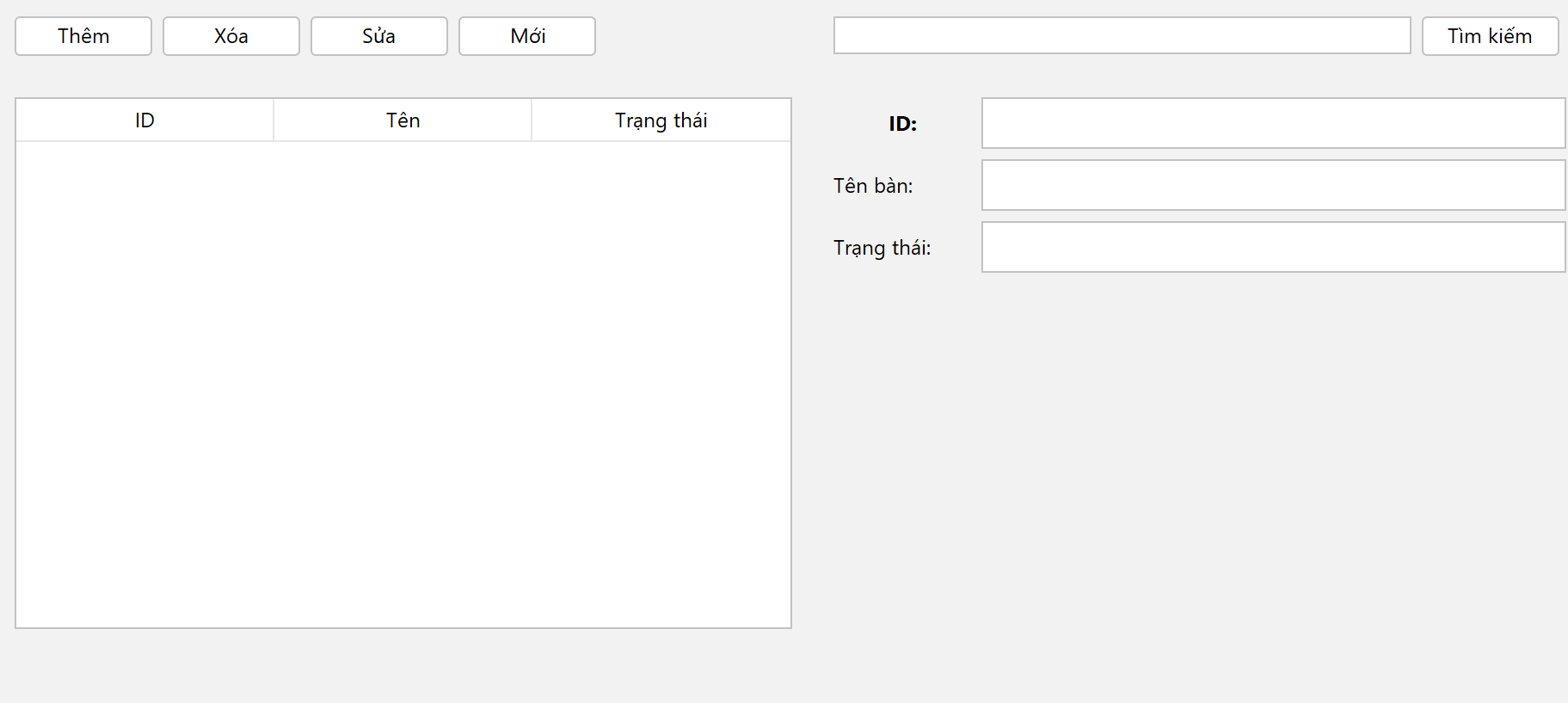


### Thiết kế giao diện cho các chức năng nghiệp vụ

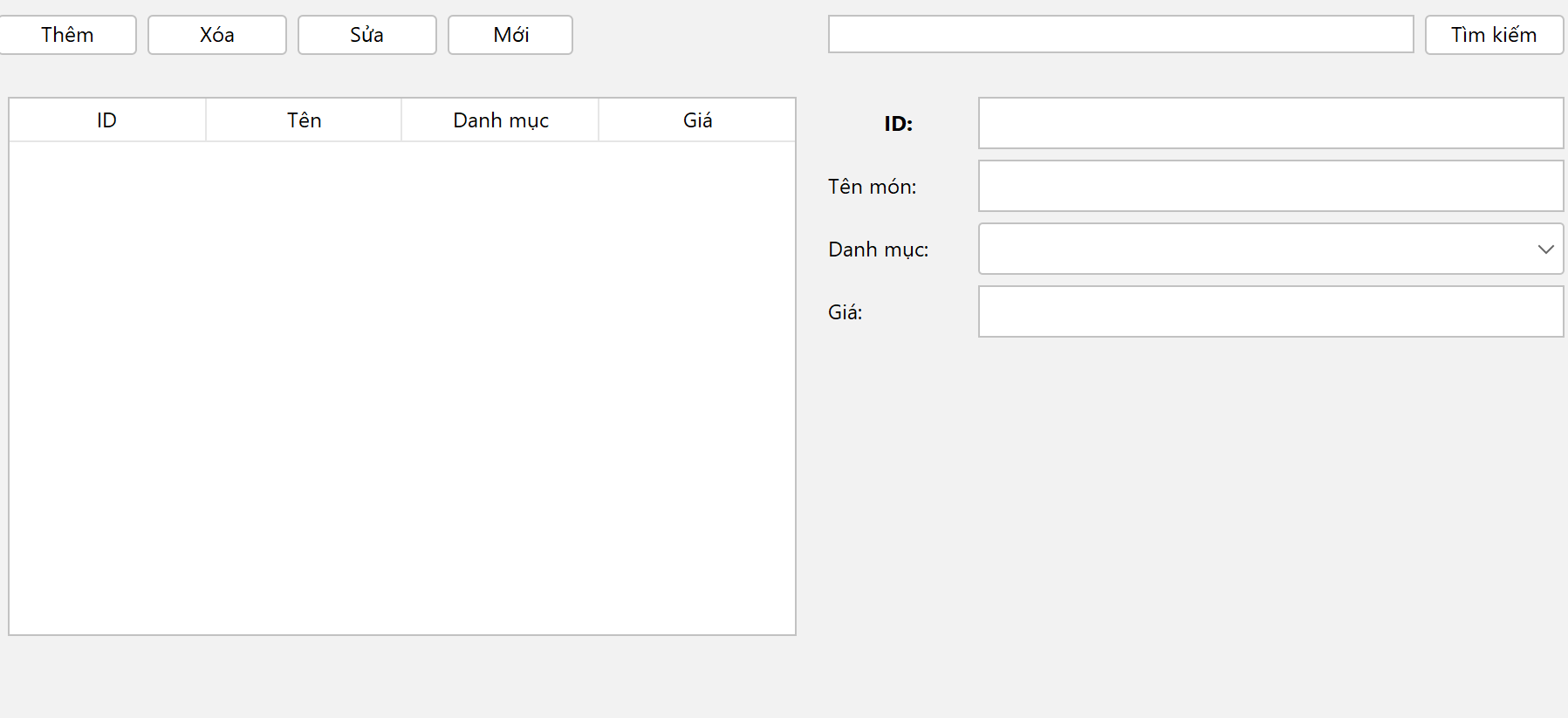
### Main giao diện



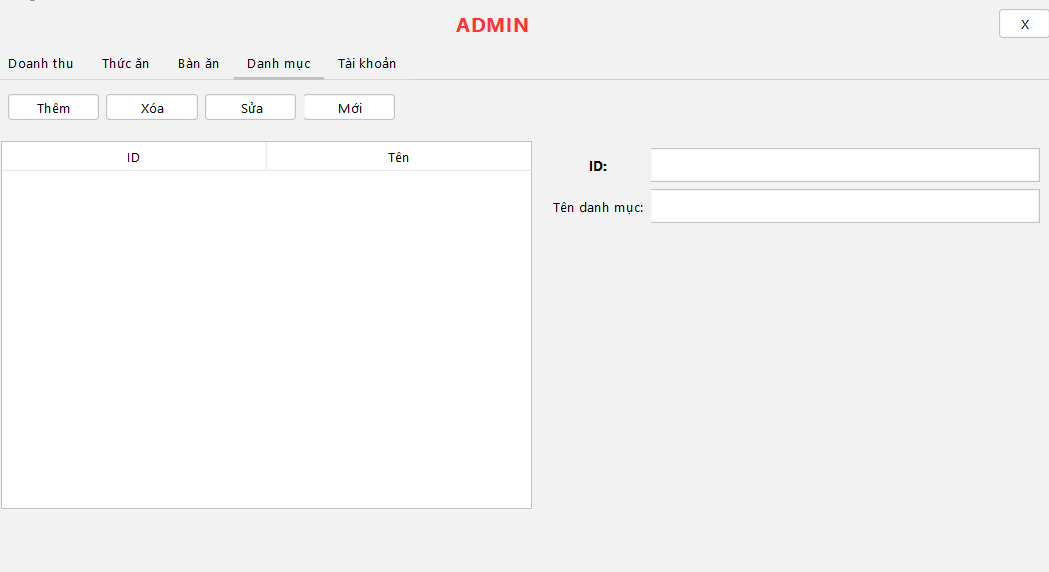
### Quản lý bàn ăn



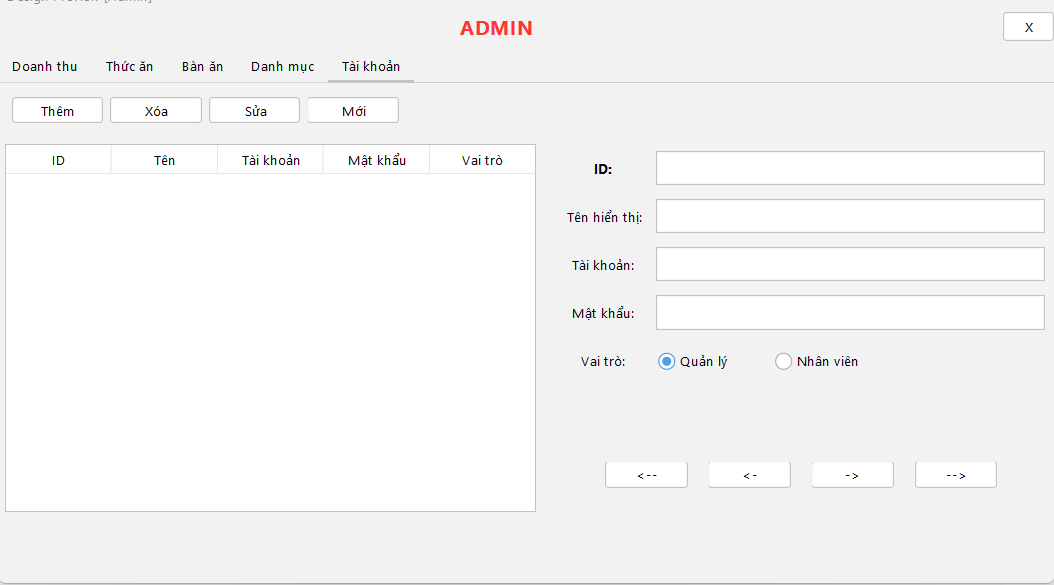
### Quản lý món ăn



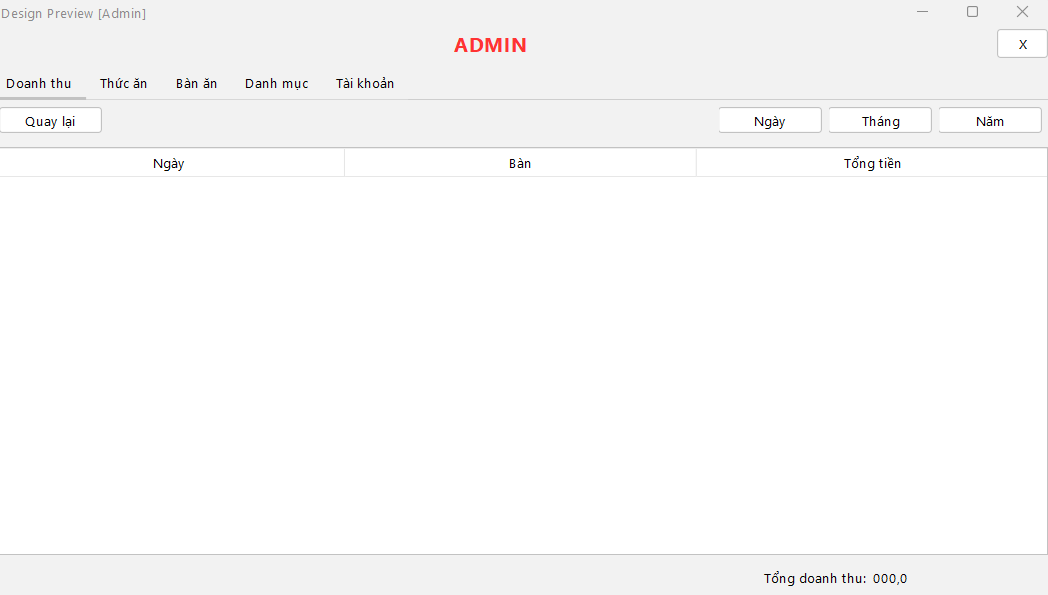
### Quản lý danh mục (Loại đồ ăn)



### Quản lý tài khoản



### Thống kê



# Thực hiện viết mã

## Viết mã tạo CSDL

### Tạo CSDL

create database QuanLyQuanAn

go

use QuanLyQuanAn

go

create table BanAn (

id varchar(10) primary key,

Ten nvarchar(100) not null,

GhiChu nvarchar(100) not null, -- trống, Có người

);

go

create table NhanVien (

id varchar(10) primary key,

TenNV nvarchar(100) not null,

TenDangNhap nvarchar(100) not null,

MatKhau nvarchar(100) not null,

VaiTro bit default 0 not null, -- 1 admin, 0 nhân viên

);

go

create table LoaiDoAn (

id varchar(10) primary key,

Ten nvarchar(100) not null

);

go

create table DoAn (

id varchar(10) primary key,

Ten nvarchar(100) not null,

idLoaiDoAn varchar(10) not null,

Gia float not null,

foreign key (idLoaiDoAn) references dbo.LoaiDoAn(id)

);

go

create table HoaDon (

id INT IDENTITY(1,1) PRIMARY KEY,

Ngay date not null default getdate(),

idBan varchar(10) not null,

Tongtien float not null,

foreign key (idBan) references dbo.BanAn(id)

);

go

create table DatMon (

TenMon nvarchar(100) not null,

SoLuong nvarchar(100) not null,

Gia float not null,

ThanhTien float not null,

idBan varchar(10) not null,

foreign key (idBan) references dbo.BanAn(id)

);

go

CREATE PROCEDURE ThongKeDoanhThuTheoNgay

@ngay DATE

AS

BEGIN

SELECT ngay, SUM(tongtien) AS TongDoanhThu

FROM HoaDon

WHERE CAST(ngay AS DATE) = @ngay

GROUP BY ngay;

END;

go

CREATE PROCEDURE ThongKeDoanhThuTheoThang

@thang INT

AS

BEGIN

SELECT MONTH(ngay) AS Thang, SUM(tongtien) AS TongDoanhThu

FROM HoaDon

WHERE MONTH(ngay) = @thang

GROUP BY YEAR(ngay), MONTH(ngay);

END;

go

CREATE PROCEDURE ThongKeDoanhThuTheoNam

@nam INT

AS

BEGIN

SELECT YEAR(ngay) AS Nam, SUM(tongtien) AS TongDoanhThu

FROM HoaDon

WHERE YEAR(ngay) = @nam

GROUP BY YEAR(ngay);

END;

go

insert into NhanVien ( id, TenNV, TenDangNhap, MatKhau, VaiTro) values

( 'NV001',N'Tin', N'abc', N'123',1),

( 'NV002',N'Tam', N'Tam', N'123', 0)

go

insert into BanAn (id, Ten, GhiChu) values

('BA001', N'Bàn 1', N'Trống'),

('BA002', N'Bàn 2', N'Có người'),

('BA003', N'Bàn 3', N'Trống');

go

insert into LoaiDoAn (id, Ten) values

('LDA001', N'Món chính'),

('LDA002', N'Khai vị'),

('LDA003', N'Tráng miệng');

go

insert into DoAn (id, Ten, idLoaiDoAn, Gia) values

('DA001', N'Phở bò', 'LDA001', 50000),

('DA002', N'Gỏi cuốn', 'LDA002', 30000),

('DA003', N'Chè ba màu', 'LDA003', 25000);

go

insert into HoaDon ( idBan, Tongtien) values

('BA001',50000);

go

## Lập trình JDBC

import java.sql.\*;

public class jdbcHelper {

private static String driver = "com.microsoft.sqlserver.jdbc.SQLServerDriver";

private static String dburl = "jdbc:sqlserver://localhost:1433;databaseName=QuanLyQuanAn;encrypt=true;trustServerCertificate=true;";

private static String user = "phamtin";

private static String pass = "123";

// nạp driver

static {

try {

Class.forName(driver);

} catch (ClassNotFoundException ex) {

throw new RuntimeException(ex);

}

}

public static PreparedStatement getStmt(String sql, Object... args) throws SQLException {

Connection connection = DriverManager.getConnection(dburl, user, pass);

PreparedStatement pstmt = null;

if (sql.trim().startsWith("{")) {

pstmt = connection.prepareCall(sql);

} else {

pstmt = connection.prepareStatement(sql);

}

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

return pstmt;

}

public static int update(String sql, Object... args) {

try {

PreparedStatement stmt = getStmt(sql, args);

try {

return stmt.executeUpdate();

} finally {

stmt.getConnection().close();

}

} catch (SQLException e) {

throw new RuntimeException(e);

}

}

public static ResultSet query(String sql, Object... args) {

try {

PreparedStatement stmt = getStmt(sql, args);

return stmt.executeQuery();

} catch (SQLException e) {

throw new RuntimeException(e);

}

}

public static Object value(String sql, Object... args) {

try {

ResultSet rs = query(sql, args);

if (rs.next()) {

return rs.getObject(1);

}

rs.getStatement().getConnection().close();

} catch (Exception e) {

throw new RuntimeException(e);

}

return null;

}

public static Connection getConnection() throws SQLException {

return DriverManager.getConnection(dburl, user, pass);

}

}

### Lớp hỗ trợ

#### Lớp Auth

public class Auth {

public static NhanVien user;

public static void clear() {

Auth.user = null;

}

//kiểm tra đăng nhập

public static boolean isLogin() {

return Auth.user != null;

}

//kiểm tra quyền

public static boolean isManager() {

return Auth.isLogin() && user.isVaiTro();

}

}

#### Lớp MsgBox

public class MsgBox {

public static void alert(Component parent, String message) {

JOptionPane.showConfirmDialog(parent, message, "Hệ thống quản lý quán ăn", JOptionPane.CLOSED\_OPTION);

}

public static boolean confirm(Component parent, String message) {

int result = JOptionPane.showConfirmDialog(parent, message, "Hệ thống quản lý quán ăn", JOptionPane.YES\_NO\_OPTION, JOptionPane.QUESTION\_MESSAGE);

return result == JOptionPane.YES\_OPTION;

}

public static String prompt(Component parent, String message) {

return JOptionPane.showInputDialog(parent, message, "Hệ thống quản lý quán ăn", JOptionPane.INFORMATION\_MESSAGE);

}

}

### Model class - Các lớp mô tả dữ liệu

#### NhanVien

public class NhanVien {

private String id;

private String tenNV;

private String tenDangNhap;

private String matKhau;

private boolean vaiTro;

public NhanVien(String id, String tenNV, String tenDangNhap, String matKhau, boolean vaiTro) {

this.id = id;

this.tenNV = tenNV;

this.tenDangNhap = tenDangNhap;

this.matKhau = matKhau;

this.vaiTro = vaiTro;

}

public NhanVien() {

}

public String getId() {

return id;

}

public void setId(String id) {

this.id = id;

}

public String getTenNV() {

return tenNV;

}

public void setTenNV(String tenNV) {

this.tenNV = tenNV;

}

public String getTenDangNhap() {

return tenDangNhap;

}

public void setTenDangNhap(String tenDangNhap) {

this.tenDangNhap = tenDangNhap;

}

public String getMatKhau() {

return matKhau;

}

public void setMatKhau(String matKhau) {

this.matKhau = matKhau;

}

public boolean isVaiTro() {

return vaiTro;

}

public void setVaiTro(boolean vaiTro) {

this.vaiTro = vaiTro;

}

@Override

public String toString() {

return "NhanVien{" +

"id=" + id +

", tenNV='" + tenNV + '\'' +

", tenDangNhap='" + tenDangNhap + '\'' +

", matKhau='" + matKhau + '\'' +

", vaiTro=" + vaiTro +

'}';

}

}

#### BanAn

public class NhanVien {

private String id;

private String tenNV;

private String tenDangNhap;

private String matKhau;

private boolean vaiTro;

public NhanVien(String id, String tenNV, String tenDangNhap, String matKhau, boolean vaiTro) {

this.id = id;

this.tenNV = tenNV;

this.tenDangNhap = tenDangNhap;

this.matKhau = matKhau;

this.vaiTro = vaiTro;

}

public NhanVien() {

}

public String getId() {

return id;

}

public void setId(String id) {

this.id = id;

}

public String getTenNV() {

return tenNV;

}

public void setTenNV(String tenNV) {

this.tenNV = tenNV;

}

public String getTenDangNhap() {

return tenDangNhap;

}

public void setTenDangNhap(String tenDangNhap) {

this.tenDangNhap = tenDangNhap;

}

public String getMatKhau() {

return matKhau;

}

public void setMatKhau(String matKhau) {

this.matKhau = matKhau;

}

public boolean isVaiTro() {

return vaiTro;

}

public void setVaiTro(boolean vaiTro) {

this.vaiTro = vaiTro;

}

@Override

public String toString() {

return "NhanVien{" +

"id=" + id +

", tenNV='" + tenNV + '\'' +

", tenDangNhap='" + tenDangNhap + '\'' +

", matKhau='" + matKhau + '\'' +

", vaiTro=" + vaiTro +

'}';

}

}

#### DoAn

public class DoAn {

private String id;

private String ten;

private float gia;

private String loai;

public DoAn(String id, String ten, float gia, String loai) {

this.id = id;

this.ten = ten;

this.gia = gia;

this.loai = loai;

}

public DoAn() {

}

public String getId() {

return id;

}

public void setId(String id) {

this.id = id;

}

public String getTen() {

return ten;

}

public void setTen(String ten) {

this.ten = ten;

}

public float getGia() {

return gia;

}

public void setGia(float gia) {

this.gia = gia;

}

public String getLoai() {

return loai;

}

public void setLoai(String loai) {

this.loai = loai;

}

@Override

public String toString() {

return "DoAn{" +

"id='" + id + '\'' +

", ten='" + ten + '\'' +

", gia=" + gia +

", loai='" + loai + '\'' +

'}';

}

}

#### LoaiDoAn

public class LoaiDoAn {

private String id;

private String ten;

public LoaiDoAn(String id, String ten) {

this.id = id;

this.ten = ten;

}

public LoaiDoAn() {

}

public String getId() {

return id;

}

public void setId(String id) {

this.id = id;

}

public String getTen() {

return ten;

}

public void setTen(String ten) {

this.ten = ten;

}

@Override

public String toString() {

return "LoaiDoAn{" +

"id=" + id +

", ten='" + ten + '\'' +

'}';

}

}

#### HoaDon

public class HoaDon {

private String idBan;

private float tongTien;

public HoaDon(String idBan, float tongTien) {

this.idBan = idBan;

this.tongTien = tongTien;

}

public HoaDon() {

}

public String getIdBan() {

return idBan;

}

public void setIdBan(String idBan) {

this.idBan = idBan;

}

public float getTongTien() {

return tongTien;

}

public void setTongTien(float tongTien) {

this.tongTien = tongTien;

}

@Override

public String toString() {

return "HoaDon{" +

"idBan=" + idBan +

", tongTien=" + tongTien +

'}';

}

}

#### DatMon

public class DatMon {

private String tenMon;

private String soLuong;

private float gia;

private float thanhTien;

private String idBan;

public DatMon(String tenMon, String soLuong, float gia, float thanhTien, String idBan) {

this.tenMon = tenMon;

this.soLuong = soLuong;

this.gia = gia;

this.thanhTien = thanhTien;

this.idBan = idBan;

}

public DatMon() {

}

public String getTenMon() {

return tenMon;

}

public void setTenMon(String tenMon) {

this.tenMon = tenMon;

}

public String getSoLuong() {

return soLuong;

}

public void setSoLuong(String soLuong) {

this.soLuong = soLuong;

}

public float getGia() {

return gia;

}

public void setGia(float gia) {

this.gia = gia;

}

public float getThanhTien() {

return thanhTien;

}

public void setThanhTien(float thanhTien) {

this.thanhTien = thanhTien;

}

public String getIdBan() {

return idBan;

}

public void setIdBan(String idBan) {

this.idBan = idBan;

}

@Override

public String toString() {

return "DatMon{" +

"tenMon='" + tenMon + '\'' +

", soLuong='" + soLuong + '\'' +

", gia=" + gia +

", thanhTien=" + thanhTien +

", idBan='" + idBan + '\'' +

'}';

}

}

### DAO Class - Các lớp truy xuất dữ liệu

#### Lớp DAO

public abstract class Dao<EntityType, KeyType> {

public abstract void insert(EntityType entiTy);

public abstract void update(EntityType entiTy);

public abstract void delete(KeyType id);

public abstract List<EntityType> selectAll();

public abstract EntityType selectByID(KeyType id);

public abstract List<EntityType> selectBySql(String sql, Object...args);

}

#### Lớp BanAnDAO

package DAOS;

import CLASSES.BanAn;

import UTILS.jdbcHelper;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

public class BanAnDAO extends Dao<BanAn, String> {

@Override

public void insert(BanAn entity) {

String sql = "INSERT INTO BanAn (id, Ten, GhiChu) VALUES (?, ?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getId());

pstmt.setString(2, entity.getTen());

pstmt.setString(3, entity.getGhiChu());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(BanAn entity) {

String sql = "UPDATE BanAn SET Ten = ?, GhiChu = ? WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getTen());

pstmt.setString(2, entity.getGhiChu());

pstmt.setString(3, entity.getId());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(String id) {

String sqlHoaDon = "DELETE FROM HoaDon WHERE idBan = ?";

String sqlBanAn = "DELETE FROM BanAn WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmtHoaDon = conn.prepareStatement(sqlHoaDon);

PreparedStatement pstmtBanAn = conn.prepareStatement(sqlBanAn)) {

conn.setAutoCommit(false);

pstmtHoaDon.setString(1, id);

pstmtHoaDon.executeUpdate();

pstmtBanAn.setString(1, id);

pstmtBanAn.executeUpdate();

conn.commit();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public List<BanAn> selectAll() {

return this.selectBySql("SELECT \* FROM BanAn");

}

@Override

public BanAn selectByID(String id) {

List<BanAn> list = this.selectBySql("SELECT \* FROM BanAn WHERE id = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

@Override

public List<BanAn> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

BanAn entity = new BanAn(

rs.getString("id"),

rs.getString("Ten"),

rs.getString("GhiChu")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

public static BanAn getBanAnById(String id) {

BanAn banAn = null;

String query = "SELECT \* FROM BanAn WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement stmt = conn.prepareStatement(query)) {

stmt.setString(1, id);

try (ResultSet rs = stmt.executeQuery()) {

if (rs.next()) {

banAn = new BanAn();

banAn.setId(rs.getString("id"));

banAn.setTen(rs.getString("Ten"));

banAn.setGhiChu(rs.getString("GhiChu"));

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return banAn;

}

}

#### Lớp DatMonDAO

package DAOS;

import CLASSES.DatMon;

import UTILS.jdbcHelper;

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 DatMonDAO extends Dao<DatMon, String>{

@Override

public void insert(DatMon entity) {

String sql = "INSERT INTO DatMon (TenMon, SoLuong, Gia, ThanhTien, idBan) VALUES (?, ?, ?, ?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getTenMon());

pstmt.setString(2, entity.getSoLuong());

pstmt.setFloat(3, entity.getGia());

pstmt.setFloat(4, entity.getThanhTien());

pstmt.setString(5,entity.getIdBan());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(DatMon entity) {

String sql = "UPDATE DatMon SET SoLuong = ?, Gia = ?, ThanhTien = ?, idBan = ? WHERE TenMon = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getSoLuong());

pstmt.setFloat(2, entity.getGia());

pstmt.setFloat(3, entity.getThanhTien());

pstmt.setString(4, entity.getTenMon());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(String id) {

String sql = "DELETE FROM DatMon WHERE idBan = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, id);

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public List<DatMon> selectAll() {

return this.selectBySql("SELECT \* FROM DatMon");

}

@Override

public DatMon selectByID(String id) {

List<DatMon> list = this.selectBySql("SELECT \* FROM DatMon WHERE idBan = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

public List<DatMon> selectByBanID(String banId) {

String sql = "SELECT \* FROM DatMon WHERE idBan = ?";

return selectBySql(sql, banId);

}

@Override

public List<DatMon> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

DatMon entity = new DatMon(

rs.getString("TenMon"),

rs.getString("SoLuong"),

rs.getFloat("Gia"),

rs.getFloat("ThanhTien"),

rs.getString("idBan")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

}

#### Lớp DoAnDAO

package DAOS;

import CLASSES.DoAn;

import UTILS.jdbcHelper;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

public class DoAnDAO extends Dao<DoAn, String> {

@Override

public void insert(DoAn entity) {

String sql = "INSERT INTO DoAn (id, Ten, Gia, idLoaiDoAn) VALUES (?, ?, ?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getId());

pstmt.setString(2, entity.getTen());

pstmt.setFloat(3, entity.getGia());

pstmt.setString(4, entity.getLoai());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(DoAn entity) {

String sql = "UPDATE DoAn SET Ten = ?, Gia = ?, idLoaiDoAn = ? WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getTen());

pstmt.setFloat(2, entity.getGia());

pstmt.setString(3, entity.getLoai());

pstmt.setString(4, entity.getId());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(String id) {

String sql = "DELETE FROM DoAn WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, id);

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

// @Override

// public List<DoAn> selectAll() {

// return this.selectBySql("SELECT \* FROM DoAn");

// }

@Override

public List<DoAn> selectAll() {

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

String sql = "SELECT DoAn.id, DoAn.ten, LoaiDoAn.ten AS loai, DoAn.gia " +

"FROM DoAn " +

"JOIN LoaiDoAn ON DoAn.idLoaiDoAn = LoaiDoAn.id";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement ps = conn.prepareStatement(sql);

ResultSet rs = ps.executeQuery()) {

while (rs.next()) {

DoAn doAn = new DoAn();

doAn.setId(rs.getString("id"));

doAn.setTen(rs.getString("ten"));

doAn.setLoai(rs.getString("loai"));

doAn.setGia(rs.getFloat("gia"));

list.add(doAn);

}

} catch (Exception e) {

e.printStackTrace();

}

return list;

}

@Override

public DoAn selectByID(String id) {

List<DoAn> list = this.selectBySql("SELECT \* FROM DoAn WHERE id = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

@Override

public List<DoAn> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

DoAn entity = new DoAn(

rs.getString("id"),

rs.getString("ten"),

rs.getFloat("gia"),

rs.getString("idLoaiDoAn")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

public ArrayList<DoAn> getDoAnByLoai(String loaiId) {

ArrayList<DoAn> result = new ArrayList<>();

String query = "SELECT \* FROM DoAn WHERE idLoaiDoAn = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement stmt = conn.prepareStatement(query)) {

stmt.setString(1, loaiId);

try (ResultSet rs = stmt.executeQuery()) {

while (rs.next()) {

DoAn da = new DoAn();

da.setId(rs.getString("id"));

da.setTen(rs.getString("ten"));

da.setGia(rs.getFloat("gia"));

da.setLoai(rs.getString("idLoaiDoAn"));

result.add(da);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return result;

}

public List<DoAn> selectByName(String name, String category) {

List<DoAn> result = new ArrayList<>();

String sql = "SELECT \* FROM DoAn WHERE Ten = ? AND idLoaiDoAn = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement preparedStatement = conn.prepareStatement(sql)) {

preparedStatement.setString(1, name);

preparedStatement.setString(2, category);

ResultSet resultSet = preparedStatement.executeQuery();

while (resultSet.next()) {

DoAn doAn = new DoAn();

doAn.setId(resultSet.getString("id"));

doAn.setTen(resultSet.getString("Ten"));

doAn.setLoai(resultSet.getString("idLoaiDoAn"));

doAn.setGia(resultSet.getFloat("Gia"));

result.add(doAn);

}

} catch (SQLException e) {

e.printStackTrace();

// Handle the exception as needed

}

return result;

}

}

#### Lớp HoaDonDAO

package DAOS;

import CLASSES.HoaDon;

import UTILS.jdbcHelper;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

public class HoaDonDAO extends Dao<HoaDon, Integer> {

@Override

public void insert(HoaDon entity) {

String sql = "INSERT INTO HoaDon (idBan, TongTien) VALUES (?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1,entity.getIdBan());

pstmt.setFloat(2, entity.getTongTien());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(HoaDon entity) {

String sql = "UPDATE HoaDon SET idBan = ?, TongTien = ? WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getIdBan());

pstmt.setFloat(2, entity.getTongTien());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(Integer id) {

String sql = "DELETE FROM HoaDon WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setInt(1, id);

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public List<HoaDon> selectAll() {

return this.selectBySql("SELECT \* FROM HoaDon");

}

@Override

public HoaDon selectByID(Integer id) {

List<HoaDon> list = this.selectBySql("SELECT \* FROM HoaDon WHERE id = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

@Override

public List<HoaDon> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

HoaDon entity = new HoaDon(

rs.getString("idBan"),

rs.getFloat("TongTien")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

}

#### Lớp LoaiDoAnDAO

package DAOS;

import CLASSES.LoaiDoAn;

import UTILS.jdbcHelper;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

public class LoaiDoAnDAO extends Dao<LoaiDoAn, String> {

@Override

public void insert(LoaiDoAn entity) {

String sql = "INSERT INTO LoaiDoAn (id, Ten) VALUES (?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getId());

pstmt.setString(2, entity.getTen());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(LoaiDoAn entity) {

String sql = "UPDATE LoaiDoAn SET Ten = ? WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getTen());

pstmt.setString(2, entity.getId());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(String id) {

String sql = "DELETE FROM LoaiDoAn WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, id);

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public List<LoaiDoAn> selectAll() {

return this.selectBySql("SELECT \* FROM LoaiDoAn");

}

@Override

public LoaiDoAn selectByID(String id) {

List<LoaiDoAn> list = this.selectBySql("SELECT \* FROM LoaiDoAn WHERE id = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

public int selectIdByName(String name) {

String sql = "SELECT id FROM LoaiDoAn WHERE ten = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement ps = conn.prepareStatement(sql)) {

ps.setString(1, name);

try (ResultSet rs = ps.executeQuery()) {

if (rs.next()) {

return rs.getInt("id");

}

}

} catch (Exception e) {

e.printStackTrace();

}

return -1;

}

@Override

public List<LoaiDoAn> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

LoaiDoAn entity = new LoaiDoAn(

rs.getString("id"),

rs.getString("Ten")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

public LoaiDoAn selectByName(String tenLoai) {

LoaiDoAn result = null;

String query = "SELECT \* FROM LoaiDoAn WHERE Ten = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement stmt = conn.prepareStatement(query)) {

stmt.setString(1, tenLoai);

try (ResultSet rs = stmt.executeQuery()) {

if (rs.next()) {

result = new LoaiDoAn();

result.setId(rs.getString("id"));

result.setTen(rs.getString("Ten"));

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return result;

}

public List<String> getAllLoaiDoAn() throws SQLException {

List<String> loaiDoAnList = new ArrayList<>();

String query = "SELECT Ten FROM LoaiDoAn";

try (Connection conn = jdbcHelper.getConnection();

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery(query)) {

while (rs.next()) {

loaiDoAnList.add(rs.getString("Ten"));

}

}

return loaiDoAnList;

}

}

#### Lớp NhanVienDAO

package DAOS;

import CLASSES.NhanVien;

import UTILS.jdbcHelper;

import java.sql.\*;

import java.util.ArrayList;

import java.util.List;

public class NhanVienDAO extends Dao<NhanVien, String> {

@Override

public void insert(NhanVien entity) {

String sql = "INSERT INTO NhanVien ( id, TenNV, TenDangNhap, MatKhau, VaiTro) VALUES (?,?, ?, ?, ?)";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getId());

pstmt.setString(2, entity.getTenNV());

pstmt.setString(3, entity.getTenDangNhap());

pstmt.setString(4, entity.getMatKhau());

pstmt.setBoolean(5, entity.isVaiTro());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void update(NhanVien entity) {

String sql = "UPDATE NhanVien SET TenNV = ?, TenDangNhap = ?, MatKhau = ?, VaiTro = ? WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, entity.getTenNV());

pstmt.setString(2, entity.getTenDangNhap());

pstmt.setString(3, entity.getMatKhau());

pstmt.setBoolean(4, entity.isVaiTro());

pstmt.setString(5, entity.getId());

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public void delete(String id) {

String sql = "DELETE FROM NhanVien WHERE id = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, id);

pstmt.executeUpdate();

} catch (SQLException e) {

e.printStackTrace();

}

}

@Override

public List<NhanVien> selectAll() {

return this.selectBySql("SELECT \* FROM NhanVien");

}

@Override

public NhanVien selectByID(String id) {

List<NhanVien> list = this.selectBySql("SELECT \* FROM NhanVien WHERE id = ?", id);

if (list.isEmpty()) {

return null;

}

return list.get(0);

}

public NhanVien selectByTK(String tk) {

String sql = "SELECT \* FROM NhanVien WHERE TenDangNhap = ?";

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement stmt = conn.prepareStatement(sql))

{

stmt.setString(1, tk);

ResultSet rs = stmt.executeQuery();

if(rs.next()) {

NhanVien nv = new NhanVien();

nv.setId(rs.getString("id"));

nv.setTenNV(rs.getString("TenNV"));

nv.setTenDangNhap(rs.getString("TenDangNhap"));

nv.setMatKhau(rs.getString("MatKhau"));

nv.setVaiTro(rs.getBoolean("VaiTro"));

return nv;

}

} catch (Exception e) {

e.printStackTrace();

}

return null;

}

@Override

public List<NhanVien> selectBySql(String sql, Object... args) {

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

try (Connection conn = jdbcHelper.getConnection();

PreparedStatement pstmt = conn.prepareStatement(sql)) {

for (int i = 0; i < args.length; i++) {

pstmt.setObject(i + 1, args[i]);

}

try (ResultSet rs = pstmt.executeQuery()) {

while (rs.next()) {

NhanVien entity = new NhanVien(

rs.getString("id"),

rs.getString("TenNV"),

rs.getString("TenDangNhap"),

rs.getString("MatKhau"),

rs.getBoolean("VaiTro")

);

list.add(entity);

}

}

} catch (SQLException e) {

e.printStackTrace();

}

return list;

}

}

## Viết mã cho ứng dụng

### Xử lý Form mainWindows

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package UI;

import CLASSES.BanAn;

import CLASSES.DatMon;

import CLASSES.DoAn;

import CLASSES.HoaDon;

import CLASSES.LoaiDoAn;

import DAOS.BanAnDAO;

import DAOS.DatMonDAO;

import DAOS.DoAnDAO;

import DAOS.HoaDonDAO;

import DAOS.LoaiDoAnDAO;

import UTILS.Auth;

import UTILS.MsgBox;

import java.text.DecimalFormat;

import java.util.List;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author FPTSHOP

\*/

public class mainWindows extends javax.swing.JFrame {

BanAnDAO banAnDao = new BanAnDAO();

LoaiDoAnDAO danhMucDao = new LoaiDoAnDAO();

DoAnDAO doAnDao = new DoAnDAO();

DatMonDAO datMonDao = new DatMonDAO();

HoaDonDAO hoaDonDao = new HoaDonDAO();

/\*\*

\* Creates new form mainWindow

\*/

public mainWindows() {

initComponents();

init();

setLocationRelativeTo(null);

lblTongTien.setText("000,0");

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel3 = new javax.swing.JPanel();

btnThanhToan = new javax.swing.JButton();

btnGiamGia = new javax.swing.JButton();

GiamGia = new javax.swing.JSpinner();

cboChuyenBan = new javax.swing.JComboBox<>();

btnChuyenBan = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

lblTongTien = new javax.swing.JLabel();

btnInHoaDon = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

tblDonHang = new javax.swing.JTable();

jPanel5 = new javax.swing.JPanel();

cboLoaiDoAn = new javax.swing.JComboBox<>();

cboMonAn = new javax.swing.JComboBox<>();

btnThemMonAn = new javax.swing.JButton();

SoLuong = new javax.swing.JSpinner();

btnXoa = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

tblBan = new javax.swing.JTable();

jPanel2 = new javax.swing.JPanel();

lblTenNhaHang = new javax.swing.JLabel();

lblTenNhaHang1 = new javax.swing.JLabel();

lblTenNhaHang2 = new javax.swing.JLabel();

lblTenNhaHang3 = new javax.swing.JLabel();

lblTenNhaHang4 = new javax.swing.JLabel();

lblTenNhaHang5 = new javax.swing.JLabel();

lblTenNhaHang6 = new javax.swing.JLabel();

jMenuBar1 = new javax.swing.JMenuBar();

mnuHeThong = new javax.swing.JMenu();

mniDangXuat = new javax.swing.JMenuItem();

jSeparator1 = new javax.swing.JPopupMenu.Separator();

mniThoat = new javax.swing.JMenuItem();

mnuQuanLy = new javax.swing.JMenu();

jMenuItem2 = new javax.swing.JMenuItem();

jMenu1 = new javax.swing.JMenu();

jMenuItem1 = new javax.swing.JMenuItem();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setBackground(new java.awt.Color(204, 204, 204));

setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

setUndecorated(true);

btnThanhToan.setText("Thanh toán");

btnThanhToan.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThanhToanActionPerformed(evt);

}

});

btnGiamGia.setText("Giảm giá(%)");

btnGiamGia.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnGiamGiaActionPerformed(evt);

}

});

GiamGia.setName(""); // NOI18N

btnChuyenBan.setText("Chuyển bàn");

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel1.setText("Tổng :");

lblTongTien.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

btnInHoaDon.setText("In hóa đơn");

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(btnChuyenBan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnGiamGia, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(cboChuyenBan, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(GiamGia, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(btnThanhToan, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lblTongTien, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnInHoaDon, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 40, Short.MAX\_VALUE)

.addComponent(lblTongTien, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(btnInHoaDon, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnThanhToan, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(cboChuyenBan, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(GiamGia, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(btnChuyenBan, javax.swing.GroupLayout.DEFAULT\_SIZE, 52, Short.MAX\_VALUE)

.addComponent(btnGiamGia, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addContainerGap())

);

tblDonHang.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Tên", "Số lượng", "Giá", "Thành tiền"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(tblDonHang);

if (tblDonHang.getColumnModel().getColumnCount() > 0) {

tblDonHang.getColumnModel().getColumn(0).setPreferredWidth(70);

tblDonHang.getColumnModel().getColumn(1).setPreferredWidth(10);

tblDonHang.getColumnModel().getColumn(2).setPreferredWidth(30);

tblDonHang.getColumnModel().getColumn(3).setPreferredWidth(30);

}

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

);

cboLoaiDoAn.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

cboLoaiDoAnActionPerformed(evt);

}

});

btnThemMonAn.setText("Thêm");

btnThemMonAn.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThemMonAnActionPerformed(evt);

}

});

SoLuong.setName(""); // NOI18N

btnXoa.setText("Xóa");

btnXoa.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnXoaActionPerformed(evt);

}

});

jLabel2.setText("Danh mục:");

jLabel3.setText("Món ăn:");

jLabel4.setText("Số lượng:");

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel5Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(btnXoa)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnThemMonAn, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel5Layout.createSequentialGroup()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, 60, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(cboMonAn, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(SoLuong)

.addComponent(cboLoaiDoAn, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addContainerGap())

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(cboLoaiDoAn, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, 25, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(cboMonAn, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SoLuong, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 25, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(btnXoa, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(btnThemMonAn, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

tblBan.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null}

},

new String [] {

"ID", "Tên Bàn", "Trạng thái"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

tblBan.addMouseListener(new java.awt.event.MouseAdapter() {

public void mousePressed(java.awt.event.MouseEvent evt) {

tblBanMousePressed(evt);

}

});

jScrollPane2.setViewportView(tblBan);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 550, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 636, Short.MAX\_VALUE)

);

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

lblTenNhaHang.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang.setText("Quán ăn NHOM4");

lblTenNhaHang1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang1.setText("ĐỊA CHỈ SAO HỎA :>");

lblTenNhaHang2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang2.setText("0399999999");

lblTenNhaHang3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang3.setText("CẢM ƠN VÌ ĐÃ ĐẾN");

lblTenNhaHang4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang4.setText("-------------------------------------------------------------");

lblTenNhaHang5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang5.setText("-------------------------------------------------------------");

lblTenNhaHang6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblTenNhaHang6.setText("-------------------------------------------------------------");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblTenNhaHang, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang5, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang4, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang6, javax.swing.GroupLayout.DEFAULT\_SIZE, 315, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblTenNhaHang6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblTenNhaHang, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblTenNhaHang1, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblTenNhaHang2, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblTenNhaHang4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblTenNhaHang5)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblTenNhaHang3, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jMenuBar1.setFocusable(false);

mnuHeThong.setText("Hệ thống");

mniDangXuat.setText("Đăng xuất");

mniDangXuat.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

mniDangXuatActionPerformed(evt);

}

});

mnuHeThong.add(mniDangXuat);

mnuHeThong.add(jSeparator1);

mniThoat.setText("Thoát");

mniThoat.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

mniThoatActionPerformed(evt);

}

});

mnuHeThong.add(mniThoat);

jMenuBar1.add(mnuHeThong);

mnuQuanLy.setText("Admin");

jMenuItem2.setText("Quản lý");

jMenuItem2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jMenuItem2ActionPerformed(evt);

}

});

mnuQuanLy.add(jMenuItem2);

jMenuBar1.add(mnuQuanLy);

jMenu1.setText("Thông tin tài khoản");

jMenu1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jMenuItem1.setText("Thông tin cá nhân");

jMenuItem1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jMenuItem1ActionPerformed(evt);

}

});

jMenu1.add(jMenuItem1);

jMenuBar1.add(jMenu1);

setJMenuBar(jMenuBar1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jPanel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap())

);

pack();

}// </editor-fold>

private void mniDangXuatActionPerformed(java.awt.event.ActionEvent evt) {

this.dispose();

new loginForm(this,true).setVisible(true);

}

private void mniThoatActionPerformed(java.awt.event.ActionEvent evt) {

if(MsgBox.confirm(this, "Bạn muốn kết thúc hay không?")) {

System.exit(0);

}

}

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

if(Auth.isLogin() && Auth.isManager()) {

this.dispose();

new Admin(this,true).setVisible(true);

} else {

MsgBox.alert(this, "Bạn không có quyền truy cập!");

}

}

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

new Thong\_Tin\_Tai\_Khoan(this,true).setVisible(true);

}

private void tblBanMousePressed(java.awt.event.MouseEvent evt) {

if(evt.getClickCount() == 1 ) {

int row = tblBan.rowAtPoint(evt.getPoint());

if (row >= 0) {

String banId = tblBan.getValueAt(row, 0).toString();

filltableDatMon();

int soHang = tblDonHang.getRowCount();

float tongDonHang = 0;

for (int i = 0 ; i < soHang ; i++) {

float value = Float.valueOf(tblDonHang.getValueAt(i, 3).toString());

tongDonHang += value;

}

DecimalFormat df = new DecimalFormat("000.0");

String d1 = df.format(tongDonHang);

lblTongTien.setText(d1);

//layDanhSachMonAn(banId);

System.out.println("Table ID clicked: " + banId);

//showHoaDon(banId);

}

}

}

private void cboLoaiDoAnActionPerformed(java.awt.event.ActionEvent evt) {

fillComboBoxDoAn();

}

private void btnThemMonAnActionPerformed(java.awt.event.ActionEvent evt) {

addMonAn();

TongHoaDon();

updateTrangThaiBan2();

filltableBanAn();

}

private void btnXoaActionPerformed(java.awt.event.ActionEvent evt) {

}

private void btnGiamGiaActionPerformed(java.awt.event.ActionEvent evt) {

GiamGiaHoaDon();

}

private void btnThanhToanActionPerformed(java.awt.event.ActionEvent evt) {

thanhToan();

deleteDatMon();

filltableDatMon();

updateTrangThaiBan1();

filltableBanAn();

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(mainWindows.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(mainWindows.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(mainWindows.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(mainWindows.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new mainWindows().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JSpinner GiamGia;

private javax.swing.JSpinner SoLuong;

private javax.swing.JButton btnChuyenBan;

private javax.swing.JButton btnGiamGia;

private javax.swing.JButton btnInHoaDon;

private javax.swing.JButton btnThanhToan;

private javax.swing.JButton btnThemMonAn;

private javax.swing.JButton btnXoa;

private javax.swing.JComboBox<String> cboChuyenBan;

private javax.swing.JComboBox<String> cboLoaiDoAn;

private javax.swing.JComboBox<String> cboMonAn;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JMenuItem jMenuItem1;

private javax.swing.JMenuItem jMenuItem2;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JPopupMenu.Separator jSeparator1;

private javax.swing.JLabel lblTenNhaHang;

private javax.swing.JLabel lblTenNhaHang1;

private javax.swing.JLabel lblTenNhaHang2;

private javax.swing.JLabel lblTenNhaHang3;

private javax.swing.JLabel lblTenNhaHang4;

private javax.swing.JLabel lblTenNhaHang5;

private javax.swing.JLabel lblTenNhaHang6;

private javax.swing.JLabel lblTongTien;

private javax.swing.JMenuItem mniDangXuat;

private javax.swing.JMenuItem mniThoat;

private javax.swing.JMenu mnuHeThong;

private javax.swing.JMenu mnuQuanLy;

private javax.swing.JTable tblBan;

private javax.swing.JTable tblDonHang;

// End of variables declaration

private void init() {

//jPanel1.setLayout(new FlowLayout());

filltableBanAn();

fillComboBoxLoai();

fillComboBoxDoAn();

}

private void fillComboBoxLoai() {

try {

LoaiDoAnDAO loaiDoAnDAO = new LoaiDoAnDAO();

List<String> loaiDoAnList = loaiDoAnDAO.getAllLoaiDoAn();

cboLoaiDoAn.removeAllItems();

for (String loaiDoAn : loaiDoAnList) {

cboLoaiDoAn.addItem(loaiDoAn);

}

} catch (Exception e) {

e.printStackTrace();

}

}

public void fillComboBoxDoAn() {

String loaiDoAn = (String) cboLoaiDoAn.getSelectedItem().toString();

LoaiDoAn id = danhMucDao.selectByName(loaiDoAn);

String idLoai = id.getId();

List<DoAn> mon = doAnDao.getDoAnByLoai(idLoai);

cboMonAn.removeAllItems();

for(DoAn da : mon) {

cboMonAn.addItem(da.getTen());

}

}

public void filltableBanAn() {

DefaultTableModel model = (DefaultTableModel) tblBan.getModel();

model.setRowCount(0);

try {

List<BanAn> list = banAnDao.selectAll();

for (BanAn ba : list) {

Object[] row = {

ba.getId(),

ba.getTen(),

ba.getGhiChu(),

};

model.addRow(row);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

}

}

public void addMonAn() {

insertDatMon();

try {

String tenLoaiDoAn = cboLoaiDoAn.getSelectedItem().toString();

String tenMonAn = cboMonAn.getSelectedItem().toString();

int soLuong = (int) SoLuong.getValue();

if (soLuong <= 0) {

MsgBox.alert(this, "Số lượng phải lớn hơn 0");

return;

}

LoaiDoAn loaiDoAn = danhMucDao.selectByName(tenLoaiDoAn);

List<DoAn> doAnList = doAnDao.selectByName(tenMonAn, loaiDoAn.getId());

if (doAnList == null || doAnList.isEmpty()) {

MsgBox.alert(this, "Món ăn không tồn tại");

return;

}

DoAn doAn = doAnList.get(0);

float thanhTien = soLuong \* doAn.getGia();

DefaultTableModel model = (DefaultTableModel) tblDonHang.getModel();

model.addRow(new Object[]{

doAn.getTen(),

soLuong,

doAn.getGia(),

thanhTien

});

} catch (Exception e) {

e.printStackTrace();

MsgBox.alert(this, "Lỗi thêm món ăn!");

}

}

public void TongHoaDon() {

int soHang = tblDonHang.getRowCount();

float tongDonHang = 0;

for (int i = 0 ; i < soHang ; i++) {

float value = Float.valueOf(tblDonHang.getValueAt(i, 3).toString());

tongDonHang += value;

}

DecimalFormat df = new DecimalFormat("000.0");

String d1 = df.format(tongDonHang);

lblTongTien.setText(d1);

}

public void GiamGiaHoaDon() {

String giamBill = lblTongTien.getText();

giamBill = giamBill.replace(",", ".");

float Giam = Float.parseFloat(giamBill);

int giamGia = (int) GiamGia.getValue();

float Tongbill = Giam - ((Giam \* giamGia) / 100);

lblTongTien.setText(String.format("%.0f", Tongbill));

}

public void thanhToan() {

DefaultTableModel model = (DefaultTableModel) tblDonHang.getModel();

model.setRowCount(0);

insertHoaDon();

}

DatMon getForm() {

int column = 0;

int row = tblBan.getSelectedRow();

String value = tblBan.getModel().getValueAt(row, column).toString();

String tenLoaiDoAn = cboLoaiDoAn.getSelectedItem().toString();

String tenMonAn = cboMonAn.getSelectedItem().toString();

int soLuong = (int) SoLuong.getValue();

String dem = Integer.toString(soLuong);

LoaiDoAn loaiDoAn = danhMucDao.selectByName(tenLoaiDoAn);

List<DoAn> doAnList = doAnDao.selectByName(tenMonAn, loaiDoAn.getId());

DoAn doAn = doAnList.get(0);

float thanhTien = soLuong \* doAn.getGia();

DatMon dm = new DatMon();

dm.setTenMon(tenMonAn);

dm.setSoLuong(dem);

dm.setGia(doAn.getGia());

dm.setThanhTien(thanhTien);

dm.setIdBan(value);

return dm;

}

public void insertDatMon() {

DatMon dm = getForm();

try {

datMonDao.insert(dm);

} catch (Exception e) {

MsgBox.alert(this, "Thêm mới thất bại.");

}

}

public void deleteDatMon() {

int column = 0;

int row = tblBan.getSelectedRow();

String value = tblBan.getModel().getValueAt(row, column).toString();

try {

datMonDao.delete(value);

lblTongTien.setText("000,0");

} catch (Exception e) {

MsgBox.alert(this, "Xóa thất bại.");

e.printStackTrace();

}

}

public void filltableDatMon() {

int column = 0;

int row = tblBan.getSelectedRow();

String value = tblBan.getModel().getValueAt(row, column).toString();

DefaultTableModel model = (DefaultTableModel) tblDonHang.getModel();

model.setRowCount(0);

try {

List<DatMon> list = datMonDao.selectByBanID(value);

for (DatMon dm : list) {

Object[] rowData = {

dm.getTenMon(),

dm.getSoLuong(),

dm.getGia(),

dm.getThanhTien()

};

model.addRow(rowData);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

e.printStackTrace();

}

}

HoaDon getFormHoaDon() {

int column = 0;

int row = tblBan.getSelectedRow();

String value = tblBan.getModel().getValueAt(row, column).toString();

String Tong = lblTongTien.getText().trim().replace(",", ".");

System.out.println("TongTien value: " + Tong);

if (Tong.isEmpty()) {

MsgBox.alert(this, "Tổng tiền không hợp lệ.");

throw new NumberFormatException("Empty or invalid total amount");

}

float tong;

try {

tong = Float.parseFloat(Tong);

} catch (NumberFormatException e) {

MsgBox.alert(this, "Tổng tiền không hợp lệ.");

throw e;

}

HoaDon hd = new HoaDon();

hd.setIdBan(value);

hd.setTongTien(tong);

return hd;

}

public void insertHoaDon() {

HoaDon hd = getFormHoaDon();

try {

hoaDonDao.insert(hd);

} catch (Exception e) {

MsgBox.alert(this, "Thêm hóa đơn thất bại.");

e.printStackTrace();

}

}

BanAn getFormBan1() {

int column = 0;

int row = tblBan.getSelectedRow();

String value1 = tblBan.getModel().getValueAt(row, column).toString();

String value2 = tblBan.getModel().getValueAt(row, column+1).toString();

String value3 = "Trống";

BanAn ba = new BanAn();

ba.setId(value1);

ba.setTen(value2);

ba.setGhiChu(value3);

return ba;

}

BanAn getFormBan2() {

int column = 0;

int row = tblBan.getSelectedRow();

String value1 = tblBan.getModel().getValueAt(row, column).toString();

String value2 = tblBan.getModel().getValueAt(row, column+1).toString();

String value3 = "Có người";

BanAn ba = new BanAn();

ba.setId(value1);

ba.setTen(value2);

ba.setGhiChu(value3);

return ba;

}

public void updateTrangThaiBan1() {

BanAn ba = getFormBan1();

try {

banAnDao.update(ba);

} catch (Exception e) {

MsgBox.alert(this, "Thêm hóa đơn thất bại.");

e.printStackTrace();

}

}

public void updateTrangThaiBan2() {

BanAn ba = getFormBan2();

try {

banAnDao.update(ba);

} catch (Exception e) {

MsgBox.alert(this, "Thêm hóa đơn thất bại.");

e.printStackTrace();

}

}

}

### Xử lý Form Admin

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JDialog.java to edit this template

\*/

package UI;

import CLASSES.BanAn;

import CLASSES.DoAn;

import CLASSES.LoaiDoAn;

import CLASSES.NhanVien;

import DAOS.BanAnDAO;

import DAOS.DoAnDAO;

import DAOS.LoaiDoAnDAO;

import DAOS.NhanVienDAO;

import UTILS.MsgBox;

import java.util.List;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author FPTSHOP

\*/

public class Admin extends javax.swing.JDialog {

NhanVienDAO nhanVienDao = new NhanVienDAO();

BanAnDAO banAnDao = new BanAnDAO();

LoaiDoAnDAO danhMucDao = new LoaiDoAnDAO();

DoAnDAO doAnDao = new DoAnDAO();

int Row = -1;

/\*\*

\* Creates new form Admin

\*/

public Admin(java.awt.Frame parent, boolean modal) {

super(parent, modal);

initComponents();

init();

setLocationRelativeTo(null);

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

buttonGroup1 = new javax.swing.ButtonGroup();

tabs = new javax.swing.JTabbedPane();

jPanel1 = new javax.swing.JPanel();

jPanel6 = new javax.swing.JPanel();

jScrollPane1 = new javax.swing.JScrollPane();

tblDoanhThu = new javax.swing.JTable();

jPanel7 = new javax.swing.JPanel();

jSpinner2 = new javax.swing.JSpinner();

jSpinner3 = new javax.swing.JSpinner();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jSpinner4 = new javax.swing.JSpinner();

btnThongKe = new javax.swing.JButton();

jPanel2 = new javax.swing.JPanel();

jPanel8 = new javax.swing.JPanel();

jScrollPane2 = new javax.swing.JScrollPane();

tblThucAn = new javax.swing.JTable();

jPanel9 = new javax.swing.JPanel();

btnThem1 = new javax.swing.JButton();

btnXoa1 = new javax.swing.JButton();

btnSua1 = new javax.swing.JButton();

btnMoi1 = new javax.swing.JButton();

jPanel10 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

txtMaMon = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

txtTenMon = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

txtGia = new javax.swing.JTextField();

cboLoai = new javax.swing.JComboBox<>();

jPanel11 = new javax.swing.JPanel();

txtTim1 = new javax.swing.JTextField();

btnTiem1 = new javax.swing.JButton();

jPanel12 = new javax.swing.JPanel();

jPanel13 = new javax.swing.JPanel();

jScrollPane3 = new javax.swing.JScrollPane();

tblBanAn = new javax.swing.JTable();

jPanel14 = new javax.swing.JPanel();

btnThem2 = new javax.swing.JButton();

btnXoa2 = new javax.swing.JButton();

btnSua2 = new javax.swing.JButton();

btnMoi2 = new javax.swing.JButton();

jPanel15 = new javax.swing.JPanel();

jLabel8 = new javax.swing.JLabel();

txtMaBan = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

txtTenBan = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();

txtTrangThai = new javax.swing.JTextField();

jPanel16 = new javax.swing.JPanel();

txtTim2 = new javax.swing.JTextField();

btnTiem2 = new javax.swing.JButton();

jPanel17 = new javax.swing.JPanel();

jPanel18 = new javax.swing.JPanel();

jScrollPane4 = new javax.swing.JScrollPane();

tblDanhMuc = new javax.swing.JTable();

jPanel19 = new javax.swing.JPanel();

btnThem3 = new javax.swing.JButton();

btnXoa3 = new javax.swing.JButton();

btnSua3 = new javax.swing.JButton();

btnMoi3 = new javax.swing.JButton();

jPanel20 = new javax.swing.JPanel();

jLabel12 = new javax.swing.JLabel();

txtMaLoai = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

txtTenLoai = new javax.swing.JTextField();

jPanel22 = new javax.swing.JPanel();

jPanel23 = new javax.swing.JPanel();

jScrollPane5 = new javax.swing.JScrollPane();

tblNhanVien = new javax.swing.JTable();

jPanel24 = new javax.swing.JPanel();

btnThem4 = new javax.swing.JButton();

btnXoa4 = new javax.swing.JButton();

btnSua4 = new javax.swing.JButton();

btnMoi4 = new javax.swing.JButton();

jPanel25 = new javax.swing.JPanel();

jLabel16 = new javax.swing.JLabel();

txtTK = new javax.swing.JTextField();

jLabel17 = new javax.swing.JLabel();

txtTenNV = new javax.swing.JTextField();

jLabel18 = new javax.swing.JLabel();

jLabel19 = new javax.swing.JLabel();

rdoNhanVien = new javax.swing.JRadioButton();

rdoQuanLy = new javax.swing.JRadioButton();

jPanel3 = new javax.swing.JPanel();

btnDau4 = new javax.swing.JButton();

btnLui4 = new javax.swing.JButton();

btnTien4 = new javax.swing.JButton();

btnCuoi4 = new javax.swing.JButton();

txtMatKhau = new javax.swing.JTextField();

jLabel20 = new javax.swing.JLabel();

txtMaNV = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jLabel11 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

setAutoRequestFocus(false);

setUndecorated(true);

tblDoanhThu.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane1.setViewportView(tblDoanhThu);

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 922, Short.MAX\_VALUE)

);

jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 395, Short.MAX\_VALUE)

);

jSpinner2.setModel(new javax.swing.SpinnerDateModel());

jSpinner2.setEditor(new javax.swing.JSpinner.DateEditor(jSpinner2, "dd"));

jSpinner3.setModel(new javax.swing.SpinnerDateModel());

jSpinner3.setEditor(new javax.swing.JSpinner.DateEditor(jSpinner3, "MM"));

jLabel1.setText("Ngày:");

jLabel2.setText("Tháng:");

jLabel3.setText("Năm:");

jSpinner4.setModel(new javax.swing.SpinnerDateModel());

jSpinner4.setEditor(new javax.swing.JSpinner.DateEditor(jSpinner4, "yyyy"));

btnThongKe.setText("Thống kê");

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

jPanel7.setLayout(jPanel7Layout);

jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jSpinner2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jSpinner3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jSpinner4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnThongKe, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jSpinner2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jSpinner3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(0, 0, Short.MAX\_VALUE))

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jSpinner4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnThongKe)))

.addContainerGap())

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

tabs.addTab("Doanh thu", jPanel1);

tblThucAn.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"ID", "Tên", "Danh mục", "Giá"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

tblThucAn.addMouseListener(new java.awt.event.MouseAdapter() {

public void mousePressed(java.awt.event.MouseEvent evt) {

tblThucAnMousePressed(evt);

}

});

jScrollPane2.setViewportView(tblThucAn);

javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);

jPanel8.setLayout(jPanel8Layout);

jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel8Layout.createSequentialGroup()

.addContainerGap(12, Short.MAX\_VALUE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 452, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

btnThem1.setText("Thêm");

btnThem1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThem1ActionPerformed(evt);

}

});

btnXoa1.setText("Xóa");

btnXoa1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnXoa1ActionPerformed(evt);

}

});

btnSua1.setText("Sửa");

btnSua1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSua1ActionPerformed(evt);

}

});

btnMoi1.setText("Mới");

btnMoi1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnMoi1ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);

jPanel9.setLayout(jPanel9Layout);

jPanel9Layout.setHorizontalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addComponent(btnThem1, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnXoa1, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnSua1, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnMoi1)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnThem1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnXoa1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnSua1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnMoi1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))

.addContainerGap())

);

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel4.setText("ID:");

jLabel5.setText("Tên món:");

jLabel6.setText("Danh mục:");

jLabel7.setText("Giá:");

javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);

jPanel10.setLayout(jPanel10Layout);

jPanel10Layout.setHorizontalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel6, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtMaMon)

.addComponent(txtTenMon)

.addComponent(txtGia)

.addComponent(cboLoai, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel10Layout.setVerticalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtMaMon, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTenMon, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(cboLoai))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtGia, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(168, Short.MAX\_VALUE))

);

btnTiem1.setText("Tìm kiếm");

javax.swing.GroupLayout jPanel11Layout = new javax.swing.GroupLayout(jPanel11);

jPanel11.setLayout(jPanel11Layout);

jPanel11Layout.setHorizontalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addContainerGap()

.addComponent(txtTim1, javax.swing.GroupLayout.DEFAULT\_SIZE, 336, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnTiem1)

.addContainerGap())

);

jPanel11Layout.setVerticalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel11Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txtTim1)

.addComponent(btnTiem1))

.addContainerGap())

);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel10, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel8, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel10, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(62, Short.MAX\_VALUE))

);

tabs.addTab("Thức ăn", jPanel2);

tblBanAn.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null}

},

new String [] {

"ID", "Tên", "Trạng thái"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

tblBanAn.addMouseListener(new java.awt.event.MouseAdapter() {

public void mousePressed(java.awt.event.MouseEvent evt) {

tblBanAnMousePressed(evt);

}

});

jScrollPane3.setViewportView(tblBanAn);

javax.swing.GroupLayout jPanel13Layout = new javax.swing.GroupLayout(jPanel13);

jPanel13.setLayout(jPanel13Layout);

jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel13Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 452, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

btnThem2.setText("Thêm");

btnThem2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThem2ActionPerformed(evt);

}

});

btnXoa2.setText("Xóa");

btnXoa2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnXoa2ActionPerformed(evt);

}

});

btnSua2.setText("Sửa");

btnSua2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSua2ActionPerformed(evt);

}

});

btnMoi2.setText("Mới");

btnMoi2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnMoi2ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel14Layout = new javax.swing.GroupLayout(jPanel14);

jPanel14.setLayout(jPanel14Layout);

jPanel14Layout.setHorizontalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel14Layout.createSequentialGroup()

.addContainerGap()

.addComponent(btnThem2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnXoa2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnSua2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnMoi2, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel14Layout.setVerticalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel14Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnThem2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnXoa2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnSua2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnMoi2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))

.addContainerGap())

);

jLabel8.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setText("ID:");

jLabel9.setText("Tên bàn:");

jLabel10.setText("Trạng thái:");

javax.swing.GroupLayout jPanel15Layout = new javax.swing.GroupLayout(jPanel15);

jPanel15.setLayout(jPanel15Layout);

jPanel15Layout.setHorizontalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel15Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel10, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txtMaBan, javax.swing.GroupLayout.DEFAULT\_SIZE, 340, Short.MAX\_VALUE)

.addComponent(txtTenBan)

.addComponent(txtTrangThai))

.addContainerGap())

);

jPanel15Layout.setVerticalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel15Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtMaBan, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTenBan, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTrangThai, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(204, Short.MAX\_VALUE))

);

btnTiem2.setText("Tìm kiếm");

javax.swing.GroupLayout jPanel16Layout = new javax.swing.GroupLayout(jPanel16);

jPanel16.setLayout(jPanel16Layout);

jPanel16Layout.setHorizontalGroup(

jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addContainerGap()

.addComponent(txtTim2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnTiem2)

.addContainerGap())

);

jPanel16Layout.setVerticalGroup(

jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel16Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txtTim2)

.addComponent(btnTiem2))

.addContainerGap())

);

javax.swing.GroupLayout jPanel12Layout = new javax.swing.GroupLayout(jPanel12);

jPanel12.setLayout(jPanel12Layout);

jPanel12Layout.setHorizontalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel12Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel14, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED\_SIZE, 434, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel12Layout.setVerticalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel12Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel14, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel13, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

tabs.addTab("Bàn ăn", jPanel12);

tblDanhMuc.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null},

{null, null},

{null, null},

{null, null}

},

new String [] {

"ID", "Tên"

}

));

jScrollPane4.setViewportView(tblDanhMuc);

javax.swing.GroupLayout jPanel18Layout = new javax.swing.GroupLayout(jPanel18);

jPanel18.setLayout(jPanel18Layout);

jPanel18Layout.setHorizontalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel18Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED\_SIZE, 452, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel18Layout.setVerticalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel18Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

btnThem3.setText("Thêm");

btnThem3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThem3ActionPerformed(evt);

}

});

btnXoa3.setText("Xóa");

btnXoa3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnXoa3ActionPerformed(evt);

}

});

btnSua3.setText("Sửa");

btnSua3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSua3ActionPerformed(evt);

}

});

btnMoi3.setText("Mới");

btnMoi3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnMoi3ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel19Layout = new javax.swing.GroupLayout(jPanel19);

jPanel19.setLayout(jPanel19Layout);

jPanel19Layout.setHorizontalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel19Layout.createSequentialGroup()

.addContainerGap()

.addComponent(btnThem3, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnXoa3, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnSua3, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnMoi3, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel19Layout.setVerticalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel19Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnThem3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnXoa3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnSua3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnMoi3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))

.addContainerGap())

);

jLabel12.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel12.setText("ID:");

jLabel13.setText("Tên danh mục:");

javax.swing.GroupLayout jPanel20Layout = new javax.swing.GroupLayout(jPanel20);

jPanel20.setLayout(jPanel20Layout);

jPanel20Layout.setHorizontalGroup(

jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel20Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel13, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txtMaLoai, javax.swing.GroupLayout.DEFAULT\_SIZE, 340, Short.MAX\_VALUE)

.addComponent(txtTenLoai))

.addContainerGap())

);

jPanel20Layout.setVerticalGroup(

jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel20Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel12, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtMaLoai, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTenLoai, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(240, Short.MAX\_VALUE))

);

javax.swing.GroupLayout jPanel17Layout = new javax.swing.GroupLayout(jPanel17);

jPanel17.setLayout(jPanel17Layout);

jPanel17Layout.setHorizontalGroup(

jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel17Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel17Layout.createSequentialGroup()

.addComponent(jPanel18, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel20, javax.swing.GroupLayout.PREFERRED\_SIZE, 434, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel17Layout.createSequentialGroup()

.addComponent(jPanel19, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel17Layout.setVerticalGroup(

jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel17Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel19, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel18, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel20, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

tabs.addTab("Danh mục", jPanel17);

tblNhanVien.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null, null},

{null, null, null, null, null},

{null, null, null, null, null},

{null, null, null, null, null}

},

new String [] {

"ID", "Tên", "Tài khoản", "Mật khẩu", "Vai trò"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

tblNhanVien.addMouseListener(new java.awt.event.MouseAdapter() {

public void mousePressed(java.awt.event.MouseEvent evt) {

tblNhanVienMousePressed(evt);

}

});

jScrollPane5.setViewportView(tblNhanVien);

javax.swing.GroupLayout jPanel23Layout = new javax.swing.GroupLayout(jPanel23);

jPanel23.setLayout(jPanel23Layout);

jPanel23Layout.setHorizontalGroup(

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel23Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED\_SIZE, 452, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel23Layout.setVerticalGroup(

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel23Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

btnThem4.setText("Thêm");

btnThem4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThem4ActionPerformed(evt);

}

});

btnXoa4.setText("Xóa");

btnXoa4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnXoa4ActionPerformed(evt);

}

});

btnSua4.setText("Sửa");

btnSua4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSua4ActionPerformed(evt);

}

});

btnMoi4.setText("Mới");

btnMoi4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnMoi4ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel24Layout = new javax.swing.GroupLayout(jPanel24);

jPanel24.setLayout(jPanel24Layout);

jPanel24Layout.setHorizontalGroup(

jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel24Layout.createSequentialGroup()

.addContainerGap()

.addComponent(btnThem4, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnXoa4, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnSua4, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnMoi4, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel24Layout.setVerticalGroup(

jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel24Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnThem4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnXoa4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnSua4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnMoi4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)))

.addContainerGap())

);

jLabel16.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel16.setText("Tài khoản:");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel17.setText("Tên hiển thị:");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel18.setText("Mật khẩu:");

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel19.setText("Vai trò:");

buttonGroup1.add(rdoNhanVien);

rdoNhanVien.setText("Nhân viên");

buttonGroup1.add(rdoQuanLy);

rdoQuanLy.setText("Quản lý");

btnDau4.setText("<--");

btnDau4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnDau4ActionPerformed(evt);

}

});

btnLui4.setText("<-");

btnLui4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnLui4ActionPerformed(evt);

}

});

btnTien4.setText("->");

btnTien4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnTien4ActionPerformed(evt);

}

});

btnCuoi4.setText("-->");

btnCuoi4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnCuoi4ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

.addComponent(btnDau4)

.addGap(18, 18, 18)

.addComponent(btnLui4)

.addGap(18, 18, 18)

.addComponent(btnTien4)

.addGap(18, 18, 18)

.addComponent(btnCuoi4)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnDau4)

.addComponent(btnLui4)

.addComponent(btnTien4)

.addComponent(btnCuoi4))

.addContainerGap())

);

jLabel20.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

jLabel20.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel20.setText("ID:");

javax.swing.GroupLayout jPanel25Layout = new javax.swing.GroupLayout(jPanel25);

jPanel25.setLayout(jPanel25Layout);

jPanel25Layout.setHorizontalGroup(

jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel25Layout.createSequentialGroup()

.addGap(42, 42, 42)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel25Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel20, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel19, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT\_SIZE, 80, Short.MAX\_VALUE)

.addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel17, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txtTenNV, javax.swing.GroupLayout.DEFAULT\_SIZE, 340, Short.MAX\_VALUE)

.addComponent(txtMatKhau)

.addComponent(txtTK, javax.swing.GroupLayout.DEFAULT\_SIZE, 340, Short.MAX\_VALUE)

.addComponent(txtMaNV))

.addGroup(jPanel25Layout.createSequentialGroup()

.addComponent(rdoQuanLy, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(4, 4, 4)

.addComponent(rdoNhanVien, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel25Layout.setVerticalGroup(

jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel25Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMaNV, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTenNV, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTK, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMatKhau, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdoNhanVien, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rdoQuanLy, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 66, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

javax.swing.GroupLayout jPanel22Layout = new javax.swing.GroupLayout(jPanel22);

jPanel22.setLayout(jPanel22Layout);

jPanel22Layout.setHorizontalGroup(

jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel22Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel23, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel24, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 434, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel22Layout.setVerticalGroup(

jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel22Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel24, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel23, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel25, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

tabs.addTab("Tài khoản", jPanel22);

jButton1.setText("X");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel11.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N

jLabel11.setForeground(new java.awt.Color(255, 51, 51));

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel11.setText("ADMIN");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(tabs)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(tabs, javax.swing.GroupLayout.PREFERRED\_SIZE, 467, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

pack();

}// </editor-fold>

private void tblNhanVienMousePressed(java.awt.event.MouseEvent evt) {

if(evt.getClickCount() == 2 ) {

this.Row = tblNhanVien.getSelectedRow();

this.edit4();

this.selectTab(4);

}

}

private void btnDau4ActionPerformed(java.awt.event.ActionEvent evt) {

this.Row = 0;

this.edit4();

this.selectTab(4);

}

private void btnLui4ActionPerformed(java.awt.event.ActionEvent evt) {

if(this.Row > 0) {

this.Row--;

this.edit4();

this.selectTab(4);

}

}

private void btnTien4ActionPerformed(java.awt.event.ActionEvent evt) {

if(this.Row < tblNhanVien.getRowCount()-1) {

this.Row++;

this.edit4();

this.selectTab(4);

}

}

private void btnCuoi4ActionPerformed(java.awt.event.ActionEvent evt) {

this.Row = tblNhanVien.getRowCount()-1;

this.edit4();

this.selectTab(4);

}

private void btnMoi4ActionPerformed(java.awt.event.ActionEvent evt) {

clearForm4();

this.selectTab(4);

}

private void btnThem4ActionPerformed(java.awt.event.ActionEvent evt) {

insert4();

this.selectTab(4);

}

private void btnXoa4ActionPerformed(java.awt.event.ActionEvent evt) {

delete4();

this.selectTab(4);

}

private void btnSua4ActionPerformed(java.awt.event.ActionEvent evt) {

update4();

this.selectTab(4);

}

private void btnThem2ActionPerformed(java.awt.event.ActionEvent evt) {

insert2();

this.selectTab(2);

}

private void tblBanAnMousePressed(java.awt.event.MouseEvent evt) {

if(evt.getClickCount() == 2 ) {

this.Row = tblBanAn.getSelectedRow();

this.edit2();

this.selectTab(2);

}

}

private void btnMoi2ActionPerformed(java.awt.event.ActionEvent evt) {

clearForm2();

}

private void btnXoa2ActionPerformed(java.awt.event.ActionEvent evt) {

delete2();

this.selectTab(2);

}

private void btnSua2ActionPerformed(java.awt.event.ActionEvent evt) {

update2();

this.selectTab(2);

}

private void btnThem3ActionPerformed(java.awt.event.ActionEvent evt) {

insert3();

this.selectTab(3);

}

private void btnXoa3ActionPerformed(java.awt.event.ActionEvent evt) {

delete3();

this.selectTab(3);

}

private void btnSua3ActionPerformed(java.awt.event.ActionEvent evt) {

update3();

this.selectTab(3);

}

private void btnMoi3ActionPerformed(java.awt.event.ActionEvent evt) {

clearForm3();

this.selectTab(3);

}

private void btnThem1ActionPerformed(java.awt.event.ActionEvent evt) {

insert1();

}

private void btnXoa1ActionPerformed(java.awt.event.ActionEvent evt) {

delete1();

}

private void btnSua1ActionPerformed(java.awt.event.ActionEvent evt) {

update1();

}

private void btnMoi1ActionPerformed(java.awt.event.ActionEvent evt) {

clearForm1();

}

private void tblThucAnMousePressed(java.awt.event.MouseEvent evt) {

if (evt.getClickCount() == 2) {

this.Row = tblThucAn.getSelectedRow();

this.edit1();

this.selectTab(1);

}

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

this.dispose();

mainWindows main = new mainWindows();

//main.setExtendedState(java.awt.Frame.MAXIMIZED\_BOTH);

main.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Admin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the dialog \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

Admin dialog = new Admin(new javax.swing.JFrame(), true);

dialog.addWindowListener(new java.awt.event.WindowAdapter() {

@Override

public void windowClosing(java.awt.event.WindowEvent e) {

System.exit(0);

}

});

dialog.setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnCuoi4;

private javax.swing.JButton btnDau4;

private javax.swing.JButton btnLui4;

private javax.swing.JButton btnMoi1;

private javax.swing.JButton btnMoi2;

private javax.swing.JButton btnMoi3;

private javax.swing.JButton btnMoi4;

private javax.swing.JButton btnSua1;

private javax.swing.JButton btnSua2;

private javax.swing.JButton btnSua3;

private javax.swing.JButton btnSua4;

private javax.swing.JButton btnThem1;

private javax.swing.JButton btnThem2;

private javax.swing.JButton btnThem3;

private javax.swing.JButton btnThem4;

private javax.swing.JButton btnThongKe;

private javax.swing.JButton btnTiem1;

private javax.swing.JButton btnTiem2;

private javax.swing.JButton btnTien4;

private javax.swing.JButton btnXoa1;

private javax.swing.JButton btnXoa2;

private javax.swing.JButton btnXoa3;

private javax.swing.JButton btnXoa4;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JComboBox<String> cboLoai;

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel20;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel10;

private javax.swing.JPanel jPanel11;

private javax.swing.JPanel jPanel12;

private javax.swing.JPanel jPanel13;

private javax.swing.JPanel jPanel14;

private javax.swing.JPanel jPanel15;

private javax.swing.JPanel jPanel16;

private javax.swing.JPanel jPanel17;

private javax.swing.JPanel jPanel18;

private javax.swing.JPanel jPanel19;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel20;

private javax.swing.JPanel jPanel22;

private javax.swing.JPanel jPanel23;

private javax.swing.JPanel jPanel24;

private javax.swing.JPanel jPanel25;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel6;

private javax.swing.JPanel jPanel7;

private javax.swing.JPanel jPanel8;

private javax.swing.JPanel jPanel9;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JScrollPane jScrollPane5;

private javax.swing.JSpinner jSpinner2;

private javax.swing.JSpinner jSpinner3;

private javax.swing.JSpinner jSpinner4;

private javax.swing.JRadioButton rdoNhanVien;

private javax.swing.JRadioButton rdoQuanLy;

private javax.swing.JTabbedPane tabs;

private javax.swing.JTable tblBanAn;

private javax.swing.JTable tblDanhMuc;

private javax.swing.JTable tblDoanhThu;

private javax.swing.JTable tblNhanVien;

private javax.swing.JTable tblThucAn;

private javax.swing.JTextField txtGia;

private javax.swing.JTextField txtMaBan;

private javax.swing.JTextField txtMaLoai;

private javax.swing.JTextField txtMaMon;

private javax.swing.JTextField txtMaNV;

private javax.swing.JTextField txtMatKhau;

private javax.swing.JTextField txtTK;

private javax.swing.JTextField txtTenBan;

private javax.swing.JTextField txtTenLoai;

private javax.swing.JTextField txtTenMon;

private javax.swing.JTextField txtTenNV;

private javax.swing.JTextField txtTim1;

private javax.swing.JTextField txtTim2;

private javax.swing.JTextField txtTrangThai;

// End of variables declaration

public void init() {

NhanVienForm();

BanAnForm();

DanhMucForm();

DoAnForm();

}

public void NhanVienForm() {

filltableNhanVien();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit4();

}

this.updateStatus4();

}

public void BanAnForm() {

filltableBanAn();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit2();

}

this.updateStatus2();

}

public void DanhMucForm() {

filltableDanhMuc();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit3();

}

this.updateStatus3();

}

public void DoAnForm() {

fillTableDoAn();

fillComboBoxLoai();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit1();

}

this.updateStatus1();

}

private void fillComboBoxLoai() {

try {

List<LoaiDoAn> list = danhMucDao.selectAll();

cboLoai.removeAllItems();

for (LoaiDoAn loai : list) {

cboLoai.addItem(loai.getId());

}

} catch (Exception e) {

e.printStackTrace();

MsgBox.alert(this, "Lỗi truy vấn dữ liệu loại đồ ăn!");

}

}

public void fillTableDoAn() {

DefaultTableModel model = (DefaultTableModel) tblThucAn.getModel();

model.setRowCount(0);

try {

List<DoAn> list = doAnDao.selectAll();

for (DoAn ba : list) {

Object[] row = {

ba.getId(),

ba.getTen(),

ba.getLoai(),

ba.getGia(),

};

model.addRow(row);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

}

}

public void edit1() {

if (Row >= 0 && Row < tblThucAn.getRowCount()) {

String maDoAn = (String) tblThucAn.getValueAt(Row, 0);

DoAn doAn = doAnDao.selectByID(maDoAn);

this.setForm1(doAn);

this.updateStatus1();

} else {

System.out.println("Row index is out of bounds.");

}

}

public void setForm1(DoAn doAn) {

txtMaMon.setText(doAn.getId());

txtTenMon.setText(doAn.getTen());

cboLoai.setSelectedItem(doAn.getLoai());

txtGia.setText(String.valueOf(doAn.getGia()));

}

DoAn getForm1() {

DoAn da = new DoAn();

da.setId(txtMaMon.getText());

da.setTen(txtTenMon.getText());

da.setLoai((String) cboLoai.getSelectedItem());

da.setGia(Float.parseFloat(txtGia.getText()));

return da;

}

public void clearForm1() {

DoAn da = new DoAn();

this.setForm1(da);

this.Row = -1;

this.updateStatus1();

}

public void insert1() {

DoAn doAn = getForm1();

try {

doAnDao.insert(doAn);

this.fillTableDoAn();

this.clearForm1();

MsgBox.alert(this, "Thêm mới thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Thêm mới thất bại!");

e.printStackTrace();

}

}

public void update1() {

DoAn da = getForm1();

try {

doAnDao.update(da);

this.fillTableDoAn();

MsgBox.alert(this, "Cập nhật thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Cập nhật thất bại!");

e.printStackTrace();

}

}

public void delete1() {

String maDoAn = (String)tblThucAn.getValueAt(this.Row, 0);

try {

doAnDao.delete(maDoAn);

this.fillTableDoAn();

this.clearForm1();

if (tblBanAn.getRowCount() > 0) {

this.Row = 0;

this.edit1();

}

MsgBox.alert(this, "Xóa thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Xóa thất bại!");

e.printStackTrace();

}

}

public void updateStatus1() {

boolean edit = (this.Row >= 0);

txtMaMon.setEditable(!edit);

btnThem1.setEnabled(!edit);

btnSua1.setEnabled(edit);

btnXoa1.setEnabled(edit);

}

public void filltableBanAn() {

DefaultTableModel model = (DefaultTableModel) tblBanAn.getModel();

model.setRowCount(0);

try {

List<BanAn> list = banAnDao.selectAll();

for (BanAn ba : list) {

Object[] row = {

ba.getId(),

ba.getTen(),

ba.getGhiChu(),

};

model.addRow(row);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

}

}

public void edit2() {

String maBan = (String)tblBanAn.getValueAt(this.Row, 0);

BanAn ba = banAnDao.selectByID(maBan);

this.setForm2(ba);

this.updateStatus2();

}

public void updateStatus2() {

boolean edit = (this.Row >= 0);

//Trang thai form

txtMaBan.setEditable(!edit);

btnThem2.setEnabled(!edit);

btnSua2.setEnabled(edit);

btnXoa2.setEnabled(edit);

}

BanAn getForm2() {

BanAn ba = new BanAn();

ba.setId(txtMaBan.getText());

ba.setTen(txtTenBan.getText());

ba.setGhiChu(txtTrangThai.getText());

return ba;

}

public void setForm2(BanAn ba) {

txtMaBan.setText(ba.getId());

txtTenBan.setText(ba.getTen());

txtTrangThai.setText(ba.getGhiChu());

}

public void clearForm2() {

BanAn ba = new BanAn();

this.setForm2(ba);

this.Row = -1;

this.updateStatus2();

}

public void insert2() {

BanAn ba = getForm2();

try {

banAnDao.insert(ba);

this.filltableBanAn();

MsgBox.alert(this, "Thêm mới thành công!");

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit2();

}

this.updateStatus2();

} catch (Exception e) {

MsgBox.alert(this, "Thêm mới thất bại!");

}

}

public void update2() {

BanAn ba = getForm2();

try {

banAnDao.update(ba);

this.filltableBanAn();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit2();

}

this.updateStatus2();

MsgBox.alert(this, "Cập nhập thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Cập nhật thất bại!");

}

}

public void delete2() {

String maba = txtMaBan.getText();

try {

banAnDao.delete(maba);

this.filltableBanAn();

this.clearForm2();

if (tblBanAn.getRowCount() > 0) {

this.Row = 0;

this.edit2();

}

this.updateStatus2();

MsgBox.alert(this, "Xóa thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Xóa thất bại!");

}

}

public void filltableDanhMuc() {

DefaultTableModel model = (DefaultTableModel) tblDanhMuc.getModel();

model.setRowCount(0);

try {

List<LoaiDoAn> list = danhMucDao.selectAll();

for (LoaiDoAn lda : list) {

Object[] row = {

lda.getId(),

lda.getTen(),

};

model.addRow(row);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

}

}

public void edit3() {

String madm = (String)tblDanhMuc.getValueAt(this.Row, 0);

LoaiDoAn lda = danhMucDao.selectByID(madm);

this.setForm3(lda);

this.updateStatus2();

}

public void updateStatus3() {

boolean edit = (this.Row >= 0);

//Trang thai form

txtMaLoai.setEditable(!edit);

btnThem3.setEnabled(!edit);

btnSua3.setEnabled(edit);

btnXoa3.setEnabled(edit);

}

LoaiDoAn getForm3() {

LoaiDoAn lda = new LoaiDoAn();

lda.setId(txtMaLoai.getText());

lda.setTen(txtTenLoai.getText());

return lda;

}

public void setForm3(LoaiDoAn lda){

txtMaLoai.setText(lda.getId());

txtTenLoai.setText(lda.getTen());

}

public void insert3() {

LoaiDoAn lda = getForm3();

try {

danhMucDao.insert(lda);

this.filltableDanhMuc();

if (tblDanhMuc.getRowCount() > 0) {

this.Row = 0;

this.edit3();

}

this.updateStatus3();

MsgBox.alert(this, "Thêm mới thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Thêm mới thất bại!");

}

}

public void update3() {

LoaiDoAn lda = getForm3();

try {

danhMucDao.update(lda);

this.filltableDanhMuc();

if (tblDanhMuc.getRowCount() > 0) {

this.Row = 0;

this.edit3();

}

this.updateStatus3();

MsgBox.alert(this, "Cập nhập thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Cập nhập thất bại!");

}

}

public void delete3() {

String maLoai = txtMaLoai.getText();

try {

danhMucDao.delete(maLoai);

this.filltableDanhMuc();

this.clearForm3();

if (tblDanhMuc.getRowCount() > 0) {

this.Row = 0;

this.edit3();

}

this.updateStatus3();

MsgBox.alert(this, "Xóa thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Xóa thất bại!");

}

}

public void clearForm3() {

LoaiDoAn lda = new LoaiDoAn();

this.setForm3(lda);

this.Row = -1;

this.updateStatus3();

}

public void filltableNhanVien() {

DefaultTableModel model = (DefaultTableModel) tblNhanVien.getModel();

model.setRowCount(0);

try {

List<NhanVien> list = nhanVienDao.selectAll();

for (NhanVien nv : list) {

Object[] row = {

nv.getId(),

nv.getTenNV(),

nv.getTenDangNhap(),

nv.getMatKhau(),

nv.isVaiTro() ? "Quản lý" : "Nhân viên"

};

model.addRow(row);

}

} catch (Exception e) {

MsgBox.alert(this, "Lỗi truy vấn dữ liệu!");

}

}

public void edit4() {

String manv = (String)tblNhanVien.getValueAt(this.Row, 0);

NhanVien nv = nhanVienDao.selectByID(manv);

this.setForm4(nv);

this.updateStatus4();

}

public void updateStatus4() {

boolean edit = (this.Row >= 0);

boolean first = (this.Row == 0);

boolean last = (this.Row == tblNhanVien.getRowCount() -1);

//Trang thai form

txtMaNV.setEditable(!edit);

btnThem4.setEnabled(!edit);

btnSua4.setEnabled(edit);

btnXoa4.setEnabled(edit);

//Trang thai dieu huong

btnDau4.setEnabled(edit && !first);

btnLui4.setEnabled(edit && !first);

btnTien4.setEnabled(edit && !last);

btnCuoi4.setEnabled(edit && !last);

}

NhanVien getForm4() {

NhanVien nv = new NhanVien();

nv.setId(txtMaNV.getText());

nv.setTenDangNhap(txtTK.getText());

nv.setTenNV(txtTenNV.getText());

nv.setMatKhau(txtMatKhau.getText());

nv.setVaiTro(rdoQuanLy.isSelected());

return nv;

}

public void setForm4(NhanVien nv) {

txtMaNV.setText(nv.getId());

txtTK.setText(nv.getTenDangNhap());

txtTenNV.setText(nv.getTenNV());

txtMatKhau.setText(nv.getMatKhau());

rdoQuanLy.setSelected(nv.isVaiTro());

rdoNhanVien.setSelected(!nv.isVaiTro());

}

public void clearForm4() {

NhanVien nv = new NhanVien();

this.setForm4(nv);

this.Row = -1;

this.updateStatus4();

}

public void insert4() {

NhanVien nv = getForm4();

try {

nhanVienDao.insert(nv);

this.filltableNhanVien();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit4();

}

this.updateStatus4();

MsgBox.alert(this, "Thêm mới thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Thêm mới thất bại!");

}

}

public void update4() {

NhanVien nv = getForm4();

try {

nhanVienDao.update(nv);

this.filltableNhanVien();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit4();

}

this.updateStatus4();

MsgBox.alert(this, "Cập nhập thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Cập nhật thất bại!");

}

}

public void delete4() {

String manv = txtMaNV.getText();

try {

nhanVienDao.delete(manv);

this.filltableNhanVien();

this.clearForm4();

if (tblNhanVien.getRowCount() > 0) {

this.Row = 0;

this.edit4();

}

this.updateStatus4();

MsgBox.alert(this, "Xóa thành công!");

} catch (Exception e) {

MsgBox.alert(this, "Xóa thất bại!");

}

}

public void selectTab(int index) {

tabs.setSelectedIndex(index);

}

}

### Xử lý Form ChaoJDialog

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JDialog.java to edit this template

\*/

package UI;

import java.awt.Frame;

import java.util.logging.Level;

import java.util.logging.Logger;

/\*\*

\*

\* @author PHAM TIN

\*/

public class ChaoJDialog extends javax.swing.JDialog implements Runnable{

/\*\*

\* Creates new form ChaoJDialog

\*/

public ChaoJDialog(java.awt.Frame parent, boolean modal) {

super(parent, modal);

initComponents();

setLocationRelativeTo(null);

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel3 = new javax.swing.JLabel();

lblStatus = new javax.swing.JLabel();

pgbLoading = new javax.swing.JProgressBar();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

setUndecorated(true);

addWindowListener(new java.awt.event.WindowAdapter() {

public void windowOpened(java.awt.event.WindowEvent evt) {

formWindowOpened(evt);

}

});

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel3.setText("PHẦN MỀM QUẢN LÝ QUÁN ĂN");

lblStatus.setText("Đang tải...");

pgbLoading.setStringPainted(true);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap(34, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(pgbLoading, javax.swing.GroupLayout.PREFERRED\_SIZE, 548, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(34, 34, 34))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 386, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(110, 110, 110))

.addGroup(layout.createSequentialGroup()

.addComponent(lblStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 181, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(69, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(lblStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(pgbLoading, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(15, 15, 15))

);

pack();

}// </editor-fold>

private void formWindowOpened(java.awt.event.WindowEvent evt) {

new Thread(this).start();

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ChaoJDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ChaoJDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ChaoJDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ChaoJDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the dialog \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

ChaoJDialog dialog = new ChaoJDialog(new javax.swing.JFrame(), true);

dialog.addWindowListener(new java.awt.event.WindowAdapter() {

@Override

public void windowClosing(java.awt.event.WindowEvent e) {

System.exit(0);

}

});

dialog.setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel lblStatus;

private javax.swing.JProgressBar pgbLoading;

// End of variables declaration

public void Loading(int value, String message) {

//set valua cho thanh tiến trình

pgbLoading.setValue(value);

//set text cho trạng thái

lblStatus.setText(message);

try {

Thread.sleep(value\*10);

} catch (InterruptedException ex) {

Logger.getLogger(ChaoJDialog.class.getName()).log(Level.SEVERE, null, ex);

}

}

public void run() {

Loading(1, "Đang khởi động....");

Loading(5, "Đang khởi động....");

Loading(10, "Đang khởi động....");

Loading(15, "Đang kết nối cơ sở dữ liệu...");

Loading(20, "Đang kết nối cơ sở dữ liệu...");

Loading(25, "Đang kết nối cơ sở dữ liệu...");

Loading(30, "Đang kết nối cơ sở dữ liệu...");

Loading(35, "Đang tải...");

Loading(40, "Đang tải...");

Loading(45, "Đang tải...");

Loading(50, "Đang tải...");

Loading(70, "Đang tải...");

Loading(100, "Thành công.");

dispose();

Frame dn = null;

new loginForm(dn,true).setVisible(true);

}

}

### Xử lý Form Thong\_Tin\_Tai\_Khoan

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JDialog.java to edit this template

\*/

package UI;

import DAOS.NhanVienDAO;

import UTILS.Auth;

import UTILS.MsgBox;

/\*\*

\*

\* @author FPTSHOP

\*/

public class Thong\_Tin\_Tai\_Khoan extends javax.swing.JDialog {

NhanVienDAO dao = new NhanVienDAO();

/\*\*

\* Creates new form Thong\_Tin\_Tai\_Khoan

\*/

public Thong\_Tin\_Tai\_Khoan(java.awt.Frame parent, boolean modal) {

super(parent, modal);

initComponents();

setLocationRelativeTo(null);

init();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txtTK = new javax.swing.JTextField();

txtMK = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

btnCapNhapMK = new javax.swing.JButton();

jLabel5 = new javax.swing.JLabel();

txtMKM = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

txtTestMKM = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("THÔNG TIN TÀI KHOẢN");

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel2.setText("Tên đăng nhập:");

txtTK.setEnabled(false);

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel4.setText("Mật khẩu:");

jButton1.setText("Thoát");

btnCapNhapMK.setText("Cập nhập");

btnCapNhapMK.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnCapNhapMKActionPerformed(evt);

}

});

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel5.setText("Mật khẩu mới:");

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel6.setText("Xác nhận mật khẩu mới:");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(btnCapNhapMK)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(txtTestMKM, javax.swing.GroupLayout.PREFERRED\_SIZE, 223, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 362, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(txtTK, javax.swing.GroupLayout.PREFERRED\_SIZE, 223, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, 133, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtMK, javax.swing.GroupLayout.PREFERRED\_SIZE, 223, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMKM, javax.swing.GroupLayout.PREFERRED\_SIZE, 223, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 40, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTK, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMK, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMKM, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtTestMKM, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(44, 44, 44)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(btnCapNhapMK))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void btnCapNhapMKActionPerformed(java.awt.event.ActionEvent evt) {

doiMatKhau();

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Thong\_Tin\_Tai\_Khoan.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Thong\_Tin\_Tai\_Khoan.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Thong\_Tin\_Tai\_Khoan.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Thong\_Tin\_Tai\_Khoan.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the dialog \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

Thong\_Tin\_Tai\_Khoan dialog = new Thong\_Tin\_Tai\_Khoan(new javax.swing.JFrame(), true);

dialog.addWindowListener(new java.awt.event.WindowAdapter() {

@Override

public void windowClosing(java.awt.event.WindowEvent e) {

System.exit(0);

}

});

dialog.setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnCapNhapMK;

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JTextField txtMK;

private javax.swing.JTextField txtMKM;

private javax.swing.JTextField txtTK;

private javax.swing.JTextField txtTestMKM;

// End of variables declaration

public void init(){

showThongTin();

}

public void showThongTin() {

if(Auth.isLogin()){

txtTK.setText(Auth.user.getTenDangNhap());

}

}

public void doiMatKhau() {

String matKhau = txtMK.getText();

String matKhauMoi = txtMKM.getText();

String matKhauMoi2 = txtTestMKM.getText();

if(!matKhau.equals(Auth.user.getMatKhau())){

MsgBox.alert(this, "Sai mật khẩu!");

return;

}else {

if(!matKhauMoi.equals(matKhauMoi2)){

MsgBox.alert(this, "Xác nhận mật khẩu không đúng!");

return;

}else {

Auth.user.setMatKhau(matKhauMoi);

dao.update(Auth.user);

MsgBox.alert(this, "Đổi mật khẩu thành công!");

}

}

}

}

### Xử lý Form loginForm

package UI;

import CLASSES.NhanVien;

import DAOS.NhanVienDAO;

import UTILS.Auth;

import UTILS.MsgBox;

/\*\*

\*

\* @author FPTSHOP

\*/

public class loginForm extends javax.swing.JDialog {

/\*\*

\* Creates new form loginForm

\*/

public loginForm(java.awt.Frame parent, boolean modal) {

super(parent, modal);

initComponents();

setLocationRelativeTo(null);

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

txtDangNhap = new javax.swing.JTextField();

jLabel3 = new javax.swing.JLabel();

txtMatKhau = new javax.swing.JPasswordField();

jLabel4 = new javax.swing.JLabel();

jCheckBox1 = new javax.swing.JCheckBox();

btnDangNhap = new javax.swing.JButton();

btnThoat = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("ĐĂNG NHẬP");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 38, Short.MAX\_VALUE)

);

jLabel2.setText("Tài khoản đăng nhập:");

jLabel3.setText("Mật khẩu:");

jLabel4.setText("Quên mật khẩu!");

jCheckBox1.setSelected(true);

jCheckBox1.setText("Nhớ mật khẩu");

btnDangNhap.setText("Đăng nhập");

btnDangNhap.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnDangNhapActionPerformed(evt);

}

});

btnThoat.setText("Thoát!");

btnThoat.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnThoatActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtDangNhap)

.addComponent(txtMatKhau)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 115, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 198, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 114, Short.MAX\_VALUE)

.addComponent(jCheckBox1))))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(btnDangNhap, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(btnThoat, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(txtDangNhap, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(txtMatKhau, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jCheckBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(btnThoat, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(btnDangNhap, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void btnDangNhapActionPerformed(java.awt.event.ActionEvent evt) {

login();

}

private void btnThoatActionPerformed(java.awt.event.ActionEvent evt) {

if(MsgBox.confirm(this, "Bạn muốn kết thúc hay không?")) {

System.exit(0);

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(loginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(loginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(loginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(loginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the dialog \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

loginForm dialog = new loginForm(new javax.swing.JFrame(), true);

dialog.addWindowListener(new java.awt.event.WindowAdapter() {

@Override

public void windowClosing(java.awt.event.WindowEvent e) {

System.exit(0);

}

});

dialog.setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnDangNhap;

private javax.swing.JButton btnThoat;

private javax.swing.JCheckBox jCheckBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JTextField txtDangNhap;

private javax.swing.JPasswordField txtMatKhau;

// End of variables declaration

NhanVienDAO dao = new NhanVienDAO();

public void login() {

String strTenDangNhap = txtDangNhap.getText();

String strMatKhau = new String(txtMatKhau.getPassword());

NhanVien nv = dao.selectByTK(strTenDangNhap);

if (nv == null) {

MsgBox.alert(this, "Sai tên đăng nhập");

} else {

if (!nv.getMatKhau().equals(strMatKhau)) {

MsgBox.alert(this, "Sai mật khẩu");

} else {

Auth.user = nv;

this.dispose();

mainWindows main = new mainWindows();

main.setVisible(true);

if( nv.isVaiTro()) {

MsgBox.alert(this, "Chào mừng Admin!");

}else {

MsgBox.alert(this, "Chào mừng nhân viên!");

}

}

}

}

}

# Kiểm thử

## Kiểm thử Form Quản lý Bàn Ăn

Mục tiêu: Đảm bảo rằng chức năng quản lý bàn ăn hoạt động chính xác, bao gồm việc cập nhật tình trạng bàn, thêm mới bàn và xóa bàn.

Kết quả mong đợi:

Khi thay đổi trạng thái của bàn ăn, trạng thái phải được cập nhật đúng trong hệ thống.

Khi thêm mới bàn ăn, thông tin bàn mới phải được hiển thị và lưu trữ chính xác.

Khi xóa bàn, bàn ăn phải được xóa khỏi hệ thống mà không ảnh hưởng đến các bàn khác.

## Kiểm thử Form Quản lý Món Ăn

Mục tiêu: Đảm bảo rằng chức năng quản lý món ăn cho phép thêm, xóa và sửa món ăn một cách chính xác.

Kết quả mong đợi:

Khi thêm mới món ăn, món ăn phải xuất hiện trong danh sách và có thể được lựa chọn trong các hóa đơn.

Khi sửa thông tin món ăn, các thay đổi phải được lưu lại chính xác.

Khi xóa món ăn, món ăn phải bị loại khỏi danh sách mà không gây lỗi hệ thống.

## Kiểm thử Form Quản lý Nhân Viên

Mục tiêu: Đảm bảo rằng hệ thống cho phép quản lý thông tin nhân viên, phân quyền và phân công ca làm việc.

Kết quả mong đợi:

Thông tin nhân viên mới được thêm vào phải chính xác và có thể đăng nhập vào hệ thống.

Khi phân quyền cho nhân viên, quyền hạn phải được cập nhật và phản ánh đúng trong hệ thống.

Thông tin về ca làm việc phải được lưu trữ và hiển thị đúng cho từng nhân viên.

## Kiểm thử Form Thống Kê Doanh Thu

Mục tiêu: Đảm bảo rằng chức năng thống kê doanh thu hoạt động đúng và cung cấp các báo cáo chính xác.

Kết quả mong đợi:

Báo cáo doanh thu theo ngày, tháng, năm phải hiển thị đúng số liệu.

Tổng doanh thu phải được tính toán chính xác dựa trên các hóa đơn đã tạo.

Hệ thống phải cho phép lọc và xem các báo cáo chi tiết theo khoảng thời gian cụ thể.

## Kiểm thử Form Đăng Nhập

Mục tiêu: Đảm bảo chức năng đăng nhập hoạt động an toàn và chính xác.

Kết quả mong đợi:

Hệ thống chỉ cho phép truy cập khi thông tin đăng nhập đúng.

Người dùng không có quyền truy cập bị từ chối khi cố gắng truy cập vào các chức năng không được phân quyền.

Hệ thống phải báo lỗi và yêu cầu nhập lại nếu thông tin đăng nhập không chính xác.

## Kiểm thử Form Main Windows

### Kiểm thử Giao diện Người Dùng

Mục tiêu: Đảm bảo rằng giao diện người dùng của Main Windows hiển thị đầy đủ và chính xác tất cả các thành phần (menu, button, bảng dữ liệu, thông báo,...).

Kết quả mong đợi:

Tất cả các thành phần giao diện được hiển thị đầy đủ và rõ ràng.

Các nút bấm và menu phải hoạt động đúng chức năng khi được nhấp chuột.

Bảng dữ liệu và các thông báo phải cập nhật đúng và kịp thời khi có thay đổi.

### Kiểm thử Chuyển Đổi Giữa Các Form

Mục tiêu: Đảm bảo rằng việc chuyển đổi giữa các form khác nhau từ Main Windows diễn ra mượt mà và chính xác.

Kết quả mong đợi:

Khi chọn một chức năng (ví dụ: Quản lý Bàn, Quản lý Món, Thống kê,...), form tương ứng phải được mở ra và hiển thị chính xác.

Không có lỗi hoặc gián đoạn xảy ra trong quá trình chuyển đổi giữa các form.

### Kiểm thử Chức Năng Thoát Ứng Dụng

Mục tiêu: Đảm bảo chức năng thoát khỏi ứng dụng hoạt động chính xác.

Kết quả mong đợi:

Khi người dùng nhấn nút thoát, ứng dụng phải yêu cầu xác nhận trước khi đóng.

Sau khi xác nhận, ứng dụng phải đóng hoàn toàn mà không gây lỗi hoặc dữ liệu không được lưu.

### Kiểm thử Hiển Thị Thông Tin Hệ Thống

Mục tiêu: Đảm bảo rằng thông tin hệ thống (ví dụ: tên nhân viên đăng nhập, thời gian hiện tại, thông báo hệ thống,...) được hiển thị chính xác.

Kết quả mong đợi:

Tên nhân viên đăng nhập và các thông tin hệ thống khác phải được hiển thị đúng và cập nhật liên tục.

Thời gian phải được cập nhật theo thời gian thực mà không gây chậm trễ hoặc lỗi.

### Kiểm thử Tương Tác với Dữ Liệu

Mục tiêu: Đảm bảo rằng việc tương tác với dữ liệu từ Main Windows (ví dụ: tìm kiếm, cập nhật, xóa dữ liệu) diễn ra chính xác.

Kết quả mong đợi:

Khi thực hiện tìm kiếm, kết quả phải hiển thị chính xác dựa trên các tiêu chí tìm kiếm.

Khi cập nhật hoặc xóa dữ liệu, các thay đổi phải được áp dụng ngay lập tức và không gây lỗi dữ liệu.

# Đóng gói và triển khai

## Hướng dẫn chuyển đổi jar thành exe

* + - Sử dụng phần mềm lauch4J để chuyển đổi jar sang exe
    - Sử dụng phần mềm InnoSetup để đóng gói

## Hướng dẫn cài đặt triển khai

* + - Cài SQL Server 2008 trở lên
    - Cài đặt JDK 1.8 trở lên
    - Chạy file setup

## Hướng dẫn sử dụng phần mềm

* + - Đăng nhập với tài khoản username: abc và password: 123
    - Cấp các tài khoản có vai trò là trưởng phòng
    - Đăng nhập tài khoản mới và xóa tài khoản admin