// Giao Dien Copy Grid -- .xaml

<Grid>

<Label Content="Mã Sản Phẩm" HorizontalAlignment="Left" Margin="100,61,0,0" VerticalAlignment="Top"/>

<TextBox x:Name="txtMaSP" HorizontalAlignment="Left" Margin="213,65,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="152"/>

<Label Content="Tên Sản Phẩm" HorizontalAlignment="Left" Margin="100,96,0,0" VerticalAlignment="Top"/>

<TextBox x:Name="txtTenSP" HorizontalAlignment="Left" Margin="213,100,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="234"/>

<Label Content="Loại Sản Phẩm" HorizontalAlignment="Left" Margin="100,131,0,0" VerticalAlignment="Top"/>

<ComboBox x:Name="cboLoai" HorizontalAlignment="Left" Margin="213,133,0,0" VerticalAlignment="Top" Width="172"/>

<Label Content="Đơn Giá" HorizontalAlignment="Left" Margin="100,174,0,0" VerticalAlignment="Top"/>

<TextBox x:Name="txtDonGia" HorizontalAlignment="Left" Margin="213,178,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="152"/>

<Label Content="Số Lượng" HorizontalAlignment="Left" Margin="100,220,0,0" VerticalAlignment="Top"/>

<TextBox x:Name="txtSoLuong" HorizontalAlignment="Left" Margin="213,224,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="152"/>

<DataGrid x:Name="dgvSanPham" Margin="20,267,20,100" AutoGenerateColumns="False" CanUserAddRows="False" AlternatingRowBackground="AntiqueWhite" SelectedCellsChanged="dgvSanPham\_SelectedCellsChanged">

<DataGrid.Columns>

<DataGridTextColumn Header="Mã Sản Phẩm" Binding="{Binding MaSp}"></DataGridTextColumn>

<DataGridTextColumn Header="Tên Sản Phẩm" Binding="{Binding TenSp}"></DataGridTextColumn>

<DataGridTextColumn Header="Loại Sản Phẩm" Binding="{Binding MaLoai}"></DataGridTextColumn>

<DataGridTextColumn Header="Đơn Giá" Binding="{Binding DonGia}"></DataGridTextColumn>

<DataGridTextColumn Header="Số Lượng" Binding="{Binding SoLuong}"></DataGridTextColumn>

<DataGridTextColumn Header="Thành Tiền" Binding="{Binding ThanhTien}" Width="\*"></DataGridTextColumn>

</DataGrid.Columns>

</DataGrid>

<Button x:Name="btnThem" Content="Thêm" HorizontalAlignment="Left" Margin="128,456,0,0" VerticalAlignment="Top" Width="70" Height="28" Click="btnThem\_Click"/>

<Button x:Name="btnSua" Content="Sửa" HorizontalAlignment="Left" Margin="244,456,0,0" VerticalAlignment="Top" Width="70" Height="28" Click="btnSua\_Click"/>

<Button x:Name="btnXóa" Content="Xóa" HorizontalAlignment="Left" Margin="360,456,0,0" VerticalAlignment="Top" Width="70" Height="28" Click="btnXóa\_Click"/>

<Button x:Name="btnTimKiem" Content="Tìm Kiếm" HorizontalAlignment="Left" Margin="482,456,0,0" VerticalAlignment="Top" Width="70" Height="28"/>

<Button x:Name="btnThongKe" Content="Thống Kê" HorizontalAlignment="Left" Margin="594,456,0,0" VerticalAlignment="Top" Width="70" Height="28" Click="btnThongKe\_Click"/>

</Grid>

//End-------------GD

//Hien Thi Du Lieu -- Window\_Loaded

QLBanHang3Context db = new QLBanHang3Context();

private void HienThiDuLieu()

{

var query = from sp in db.SanPhams

orderby sp.DonGia

select new

{

sp.MaSp,

sp.TenSp,

sp.MaLoaiSp,

sp.DonGia,

sp.SoLuong,

ThanhTien = sp.SoLuong \* sp.DonGia

};

dgvSanPham.ItemsSource = query.ToList();

}

private void HienThiCB()

{

var query = from lsp in db.LoaiSanPhams

select lsp;

cboLoai.ItemsSource = query.ToList();

cboLoai.DisplayMemberPath = "TenLoai";

cboLoai.SelectedValuePath = "MaLoai";

cboLoai.SelectedIndex = 0;

}

//End------------ Window\_Loaded

//Check-Dl

private bool CheckDL()

{

string tb = "";

if(txtMaSP.Text =="" || txtTenSP.Text =="" ||txtDonGia.Text =="" || txtSoLuong.Text == "")

{

tb += "\nBạn cần nhập đầy đủ dữ liệu";

}

if (!Regex.IsMatch(txtDonGia.Text, @"\d+"))

{

tb += "\nĐơn giá nhập phải là số!";

}

else

{

double dg = double.Parse(txtDonGia.Text);

if (dg < 0)

{

tb += "\nĐơn giá phải là số dương";

}

}

if (!Regex.IsMatch(txtSoLuong.Text, @"\d+"))

{

tb += "\nSố lượng nhập phải là số!";

}

else

{

int sl = int.Parse(txtSoLuong.Text);

if (sl < 0)

{

tb += "\nSố lượng phải là số dương";

}

}

if (tb != "")

{

MessageBox.Show(tb, "Thong Bao", MessageBoxButton.OK, MessageBoxImage.Error);

return false;

}

return true;

}

//End - CheckDl

//Them ---SP

try

{

if (CheckDL())

{

var query = db.SanPhams.SingleOrDefault(t => t.MaSp.Equals(txtMaSP.Text));

if (query != null)

{

MessageBox.Show("Mã sản phẩm này đã tồn tại", "Thong Bao");

HienThiDuLieu();

}

else

{

SanPham spMoi = new SanPham();

spMoi.MaSp = int.Parse(txtMaSP.Text);

spMoi.TenSp = txtTenSP.Text;

spMoi.DonGia = double.Parse(txtDonGia.Text);

spMoi.SoLuong = int.Parse(txtSoLuong.Text);

LoaiSanPham selectedItem = (LoaiSanPham)cboLoai.SelectedItem;

spMoi.MaLoaiSp = selectedItem.MaLoaiSp;

db.SanPhams.Add(spMoi);

db.SaveChanges();

MessageBox.Show("Thêm thành công", "Thong Bao");

HienThiDuLieu();

}

}

}

catch (Exception ex)

{

MessageBox.Show("Có lỗi khi thêm: " + ex.Message, "Thong Bao");

}

//End -- ThemSp

//Sua -- Sp

try

{

var spSua = db.SanPhams.SingleOrDefault(t => t.MaSp.Equals(txtMaSP.Text));

if (spSua != null)

{

if (CheckDL())

{

spSua.TenSp = txtTenSP.Text;

LoaiSanPham itemSelected = (LoaiSanPham)cboLoai.SelectedItem;

spSua.MaLoai = itemSelected.Maloai;

spSua.DonGia = double.Parse(txtDonGia.Text);

spSua.SoLuong = int.Parse(txtSoLuong.Text);

db.SaveChanges();

MessageBox.Show("Sửa thành công!", "Thong Bao");

HienThiDuLieu();

}

}

else

{

MessageBox.Show("Không tìm thấy sản phẩm cần sửa!!!", "Thong Bao");

}

}

catch(Exception ex1)

{

MessageBox.Show("Có lỗi khi sửa: " + ex1.Message, "Thong Bao");

}

//End ---- Sua Sp

// xoa

var spXoa = db.SanPhams.SingleOrDefault(t => t.MaSp.Equals(int.Parse(txtMaSP.Text)));

if(spXoa != null)

{

MessageBoxResult rs = MessageBox.Show("ban co chac chan muon xoa","Thong Bao", MessageBoxButton.YesNo);

if(rs == MessageBoxResult.Yes)

{

db.SanPhams.Remove(spXoa);

db.SaveChanges();

HienThiDuLieu();

}

}

else

{

MessageBox.Show("khong co anh nao de xoa");

}

//End ---- xoa Sp