MainWindow.xaml

<Window x:Class="PR4.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:local="clr-namespace:PR4"

mc:Ignorable="d"

Title="WpfSql" Height="650" Width="800">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="2\*"/>

<RowDefinition Height="5\*"/>

</Grid.RowDefinitions>

<StackPanel Orientation="Horizontal"

HorizontalAlignment="Center">

<Image Source="/Photo/WhatsApp-Image-2021-09-24-at-03.16.04-1.png"/>

<Button x:Name="Back" Content="Вернутся" Click="Back\_Click" Style="{StaticResource BtnStyle}">

</Button>

</StackPanel>

<Frame Grid.Row="1"

Name="frmMain"

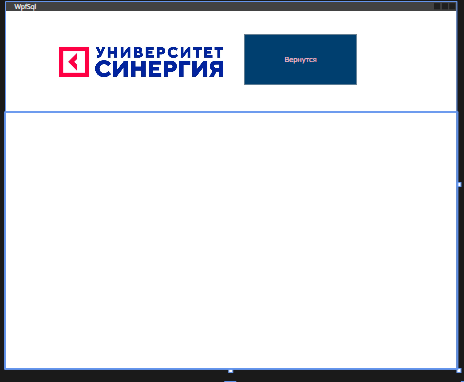
ContentRendered="frmMain\_ContentRendered"

NavigationUIVisibility="Hidden">

</Frame>

</Grid>

</Window>



MainWindow.xaml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Navigation;

using System.Windows.Shapes;

using PR4.Classes;

using PR4.Pages;

namespace PR4

{

/// <summary>

/// Логика взаимодействия для MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

ClassFrame.frmObj = frmMain;

frmMain.Navigate(new Pages.PageUser());

}

private void frmMain\_ContentRendered(object sender, EventArgs e)

{

if (frmMain.CanGoBack)

{

Back.Visibility = Visibility.Visible;

}

else

{

Back.Visibility = Visibility.Hidden;

}

}

private void Back\_Click(object sender, RoutedEventArgs e)

{

frmMain.GoBack();

}

}

}

App.xaml

<Application x:Class="PR4.App"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:local="clr-namespace:PR4"

StartupUri="MainWindow.xaml">

<Application.Resources>

<Style TargetType="Button" x:Key="BtnStyle">

<Setter Property="Background" Value="#FF003F6F"/>

<Setter Property="FontFamily" Value="Verdana"/>

<Setter Property="Foreground" Value="pink"/>

<Setter Property="Margin" Value="20,40, 100,50"/>

<Setter Property="Width" Value="200"/>

</Style>

<Style TargetType="StackPanel" x:Key="StackStyle">

<Setter Property="Background" Value="#FF5F0F1E"/>

</Style>

<Style TargetType="DataGrid" x:Key="GridStyle">

<Setter Property="Background" Value="HotPink"/>

</Style>

<Style TargetType="StackPanel" x:Key="StackStyle2">

<Setter Property="Background" Value="BlueViolet"/>

</Style>

</Application.Resources>

</Application>

ClassFrame.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Controls;

namespace PR4.Classes

{

class ClassFrame

{

public static Frame frmObj;

}

}

Dbuniversitet.Context.cs

namespace PR4.Classes

{

using System;

using System.Data.Entity;

using System.Data.Entity.Infrastructure;

public partial class universityEntities : DbContext

{

private static universityEntities \_context;

public universityEntities()

: base("name=universityEntities")

{

}

public static universityEntities GetContext()

{

if (\_context == null)

\_context = new universityEntities();

return \_context;

}

protected override void OnModelCreating(DbModelBuilder modelBuilder)

{

throw new UnintentionalCodeFirstException();

}

public virtual DbSet<Atest> Atest { get; set; }

public virtual DbSet<Group> Group { get; set; }

public virtual DbSet<sysdiagrams> sysdiagrams { get; set; }

public virtual DbSet<Techer> Techer { get; set; }

}

}

AddEditPagq.xaml

<Page x:Class="PR4.Pages.AddEditPagq"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:local="clr-namespace:PR4.Pages"

mc:Ignorable="d"

d:DesignHeight="450" d:DesignWidth="800"

Title="AddEditPagq">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="2\*"/>

<RowDefinition Height="2\*"/>

<RowDefinition Height="2\*"/>

<RowDefinition Height="2\*"/>

<RowDefinition Height="1\*"/>

</Grid.RowDefinitions>

<StackPanel Grid.Row="0" Style="{StaticResource StackStyle}">

<TextBlock Text="Группа:" Foreground="Aqua"/>

<TextBox Name="name" Text="{Binding Group1}"/>

</StackPanel>

<StackPanel Grid.Row="1" Style="{StaticResource StackStyle}">

<TextBlock Text="Пара:" Foreground="Aqua"/>

<TextBox Name="para" Text="{Binding Para }"/>

</StackPanel>

<StackPanel Grid.Row="2" Style="{StaticResource StackStyle}">

<TextBlock Text="Дата:" Foreground="Aqua"/>

<TextBox Name="date" Text="{Binding Date }"/>

</StackPanel>

<StackPanel Grid.Row="3" Style="{StaticResource StackStyle}">

<TextBlock Text="Номер аудитории:" Foreground="Aqua"/>

<TextBox Name="numberaudit" Text="{Binding NumberAudit }"/>

</StackPanel>

<StackPanel Grid.Row="4" Style="{StaticResource StackStyle}">

<Button Name="Savebtn" Content="Сохранить" Margin="20,20, 20, 20" Width="100" Height="25" Style="{StaticResource BtnStyle}" Click="Savebtn\_Click"/>

</StackPanel>

</Grid>

</Page>

AddEditPagq.xaml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Navigation;

using System.Windows.Shapes;

using PR4.Classes;

namespace PR4.Pages

{

/// <summary>

/// Логика взаимодействия для AddEditPagq.xaml

/// </summary>

public partial class AddEditPagq : Page

{

private Group \_currentgroup = new Group(); //экземпляр добавляемого пользователя

public AddEditPagq(Group selectedUser) // в конструктор добавлен праметр типа User

{

InitializeComponent();

if (selectedUser != null)

\_currentgroup = selectedUser;

DataContext = \_currentgroup;

}

private void Savebtn\_Click(object sender, RoutedEventArgs e)

{

StringBuilder error = new StringBuilder();// Объект для сообщение об ошибке

//проверка полей объекта

if (string.IsNullOrWhiteSpace(\_currentgroup.Group1))

error.AppendLine("Укажите группу");

if (string.IsNullOrWhiteSpace(\_currentgroup.Para))

error.AppendLine("Укажите пару");

if (string.IsNullOrWhiteSpace(date.Text))

error.AppendLine("Укажите дату");

if (string.IsNullOrWhiteSpace(numberaudit.Text))

error.AppendLine("Укажите номер аудитории");

if (error.Length > 0)

{

MessageBox.Show(error.ToString());

return;

}

if (\_currentgroup.KodGroup == 0)

universityEntities.GetContext().Group.Add(\_currentgroup);//Добавить в контекст

try

{

universityEntities.GetContext().SaveChanges();// Сохранить изменения

MessageBox.Show("Данные сохраненны");

}

catch (Exception ex)

{

MessageBox.Show(ex.Message.ToString());

}

}

}

}

PageUser.xaml

<Page x:Class="PR4.Pages.PageUser"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:local="clr-namespace:PR4.Pages"

mc:Ignorable="d"

d:DesignHeight="450" d:DesignWidth="800"

Title="Пользователи" Background="White" IsVisibleChanged="Page\_IsVisibleChanged">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="5\*"/>

<RowDefinition Height="2\*"/>

</Grid.RowDefinitions>

<StackPanel Grid.Row="0" Style="{StaticResource StackStyle}">

<DataGrid Name="DGridUsers"

AutoGenerateColumns="False" Style="{StaticResource GridStyle}">

<DataGrid.Columns>

<DataGridTextColumn

Header="Группа" Width="\*"

Binding="{Binding Group1}"/>

<DataGridTextColumn

Header="Пара" Width="\*"

Binding="{Binding Para }"/>

<DataGridTextColumn

Header="Дата" Width="\*"

Binding="{Binding Date}"/>

<DataGridTextColumn

Header="Номер аудитории" Width="\*"

Binding="{Binding NumberAudit}"/>

<DataGridTemplateColumn Width="auto">

<DataGridTemplateColumn.CellTemplate>

<DataTemplate>

<Button Content="Редактировать" Name="btnEdit" Click="btnEdit\_Click"/>

</DataTemplate>

</DataGridTemplateColumn.CellTemplate>

</DataGridTemplateColumn>

</DataGrid.Columns>

</DataGrid>

</StackPanel>

<StackPanel Grid.Row="1" Style="{StaticResource StackStyle}"/>

<Button Content="Добавить" Grid.Row="1" HorizontalAlignment="Left" Name="BtnAdd" Click="BtnAdd\_Click" Style="{StaticResource BtnStyle}"/>

<Button Content="Удалить" Grid.Row="1" HorizontalAlignment="Right" Name="BtnDelete" Click="BtnDelete\_Click" Style="{StaticResource BtnStyle}"/>

</Grid>

</Page>

PageUser.xaml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Navigation;

using System.Windows.Shapes;

using PR4.Classes;

namespace PR4.Pages

{

/// <summary>

/// Логика взаимодействия для PageUser.xaml

/// </summary>

public partial class PageUser : Page

{

public PageUser()

{

InitializeComponent();

DGridUsers.ItemsSource = universityEntities.GetContext().Group.ToList();

}

private void btnEdit\_Click(object sender, RoutedEventArgs e)

//Редактирование пользователей

{

ClassFrame.frmObj.Navigate(new AddEditPagq((sender as Button).DataContext as Group));

}

private void BtnAdd\_Click(object sender, RoutedEventArgs e)

// Добавление пользователей

{

ClassFrame.frmObj.Navigate(new AddEditPagq(null)/\*((Person)DGridUsers.SelectedItem)\*/);

}

private void BtnDelete\_Click(object sender, RoutedEventArgs e)

{

//Удаление нескольких пользователей

var personForRemoving = DGridUsers.SelectedItems.Cast<Group>().ToList();

if (MessageBox.Show($"Удалить {personForRemoving.Count()} пользователей?", "Внимание", MessageBoxButton.YesNo, MessageBoxImage.Question) == MessageBoxResult.Yes)

{

try

{

universityEntities.GetContext().Group.RemoveRange(personForRemoving);

universityEntities.GetContext().SaveChanges();

MessageBox.Show("Данные удалены");

DGridUsers.ItemsSource = universityEntities.GetContext().Group.ToList();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message.ToString());

}

}

}

private void Page\_IsVisibleChanged(object sender, DependencyPropertyChangedEventArgs e)

{//Динамиеское отображение добавленных или изменённых данных

if (Visibility == Visibility.Visible)

{

universityEntities.GetContext().ChangeTracker.Entries().ToList().ForEach(p => p.Reload());

DGridUsers.ItemsSource = universityEntities.GetContext().Group.ToList();

}

}

}

}