Федеральное государственное образовательное бюджетное учреждение  
высшего образования

«Финансовый университет при Правительстве Российской Федерации»

КОЛЛЕДЖ ИНФОРМАТИКИ И ПРОГРАММИРОВАНИЯ

**ОТЧЕТ**

**по результатам проектирования**

**и разработки программного приложения**

**по профессиональному модулю ПМ.03 Участие в интеграции программных модулей**

**специальности 09.02.03 Программирование в компьютерных системах**

Выполнил:

студент группы 4ПКС-120

Филимонова Алёна Дмитриевна

Проверили:

преподаватели

\_\_\_\_\_\_\_\_ / Т.Г. Аксёнова /

\_\_\_\_\_\_\_\_/О.А. Тимакин/

Оценка: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2023

Содержание

[Проектирование программного приложения 3](#_Toc154575281)

[Руководство оператора 4](#_Toc154575282)

[Листинг программных модулей 11](#_Toc154575283)

# **Проектирование программного приложения**

На рисунке 1 представлена ER-диаграмма.

****

Рисунок 1. ER-диаграмма

На рисунке 2 представлена диаграмма вариантов использования.

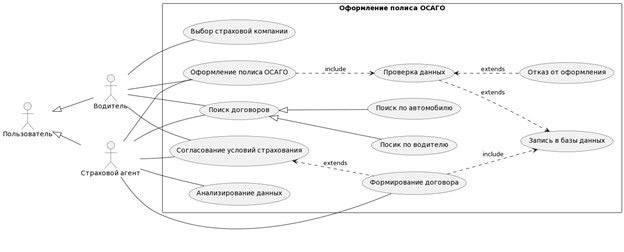


Рисунок 2. Диаграмма вариантов использования

# **Руководство оператора**

Назначение программы

Данная программа предназначена для использования страховой компанией, а также ее клиентов. Страховые агенты могут оформлять полиса ОСАГО, а также вносить изменения в базу данных.

Условия выполнения программы

Для выполнения программы необходим персональный компьютер/ноутбук на базе операционной системы Windows 10 или новее, процессор Intel Core i3 10110U 2 ГГц и выше, объем ОЗУ 8 Гб, наличие 4 Гб свободного места на жестком диске, а также установленная среда разработки Visual Studio.

Выполнение программы

Для запуска программы необходимо запустить Visual studio и через него запустить проект.

На рисунке 3 представлен запуск программы через Visual Studio

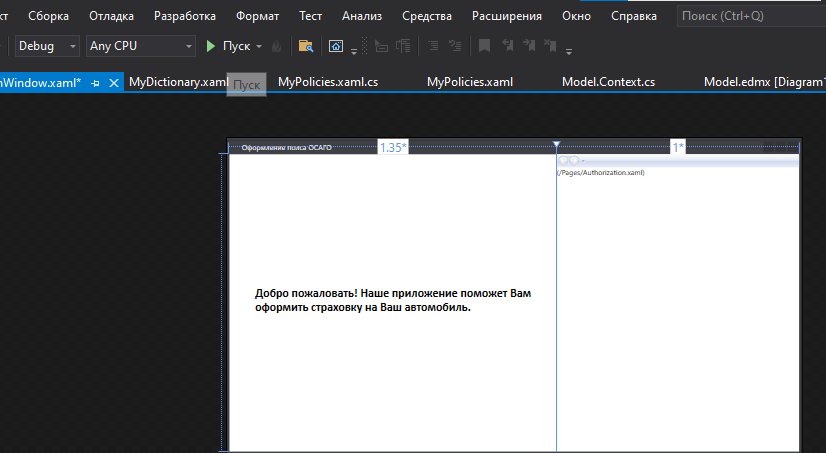


Рисунок 3. Запуск программы

При запуске приложения оператору необходимо авторизоваться, а при отсутствии профиля зарегистрироваться, а также выбрать свою роль.

На рисунках 4-5 представлены окна регистрации и авторизации.

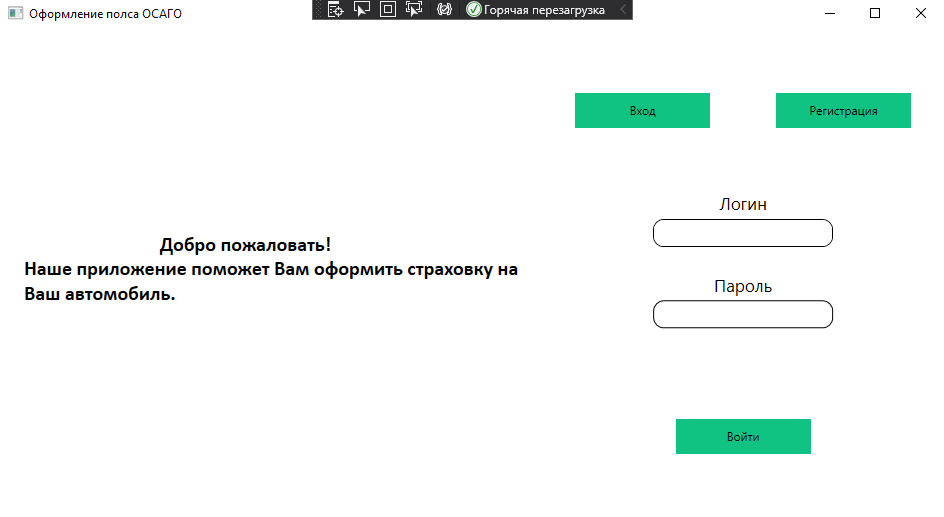


Рисунок 4. Окно авторизации

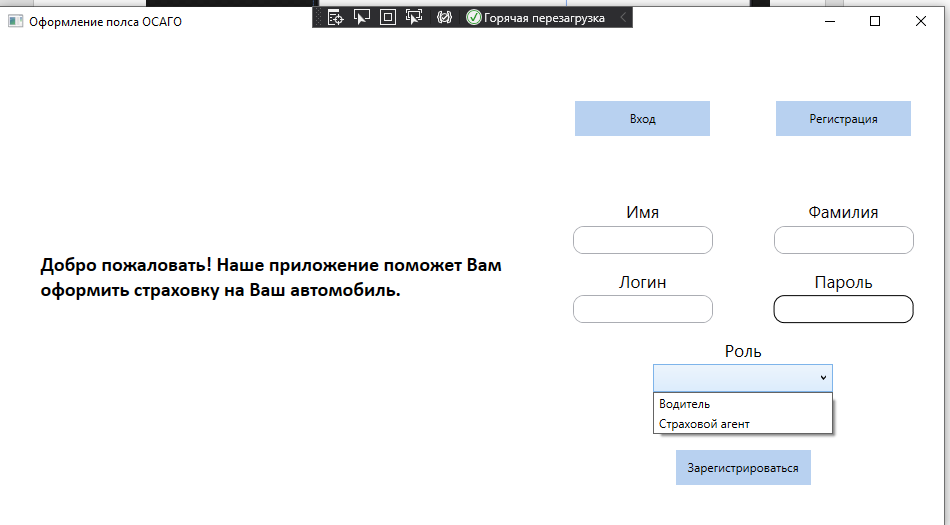


Рисунок 5. Окно регистрации

После успешного входа пользователь посмотреть список страховых компаний.

На рисунке 6 представлен список страховых компаний.

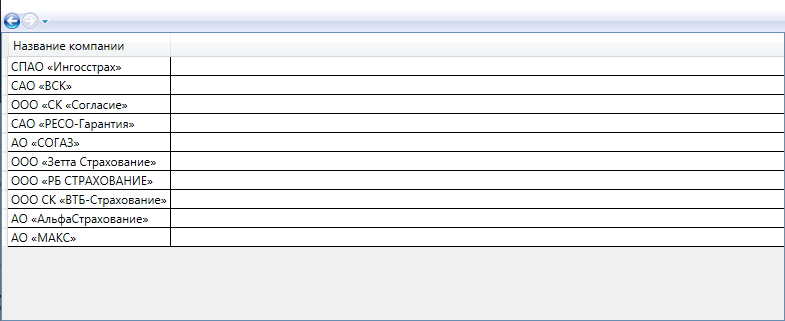


Рисунок 6. Список страховых компаний

У оператора есть возможность отфильтровать компании по алфавиту, а также найти нужную.

На рисунке 7 представлены страховые компании, отсортированные в алфавитном порядке.

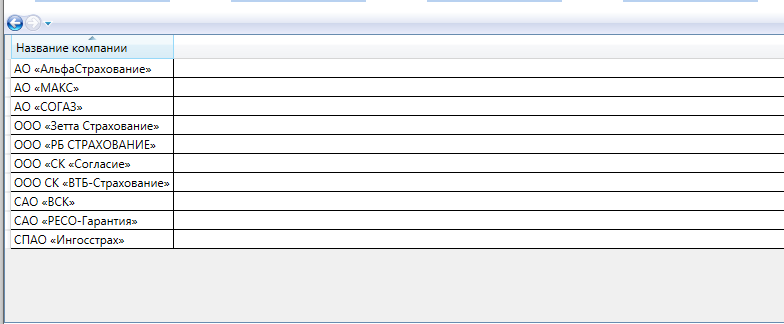


Рисунок 8. Сортировка по алфавиту

Также пользователь может посмотреть свои полисы.

На рисунке 9 представлен список полисов пользователя.

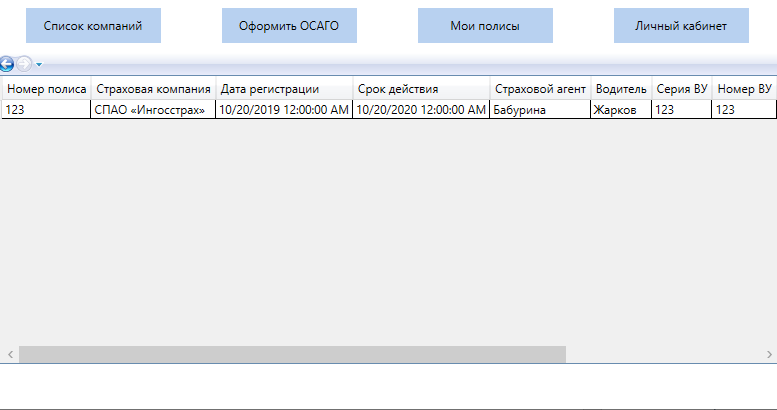


Рисунок 9. Список полисов пользователя

При выборе вкладки «Мои полисы» пользователь получает отчет о своем полисе в текстовом файле.

На рисунке 10 представлен страховой полис в текстовом файле.

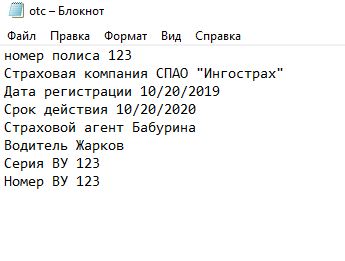


Рисунок 10. Полис в текстовом файле

В личном кабинете пользователь может внести личные данные и добавить автомобиль (добавить, редактировать или удалить их).

На рисунке 11 представлен личный кабинет.

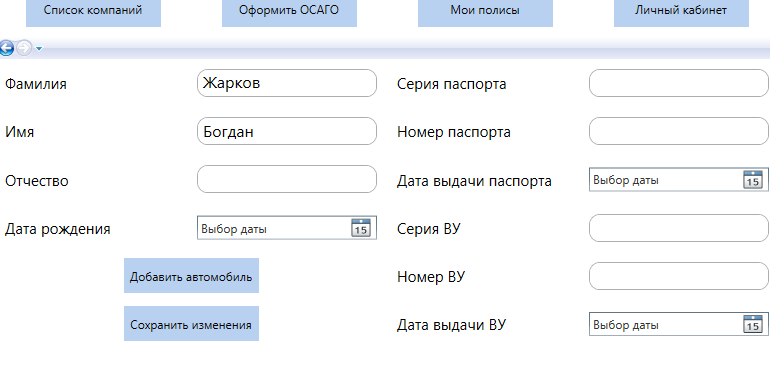


Рисунок 11. Личный кабинет

На рисунке 12 представлено окно добавления автомобиля.

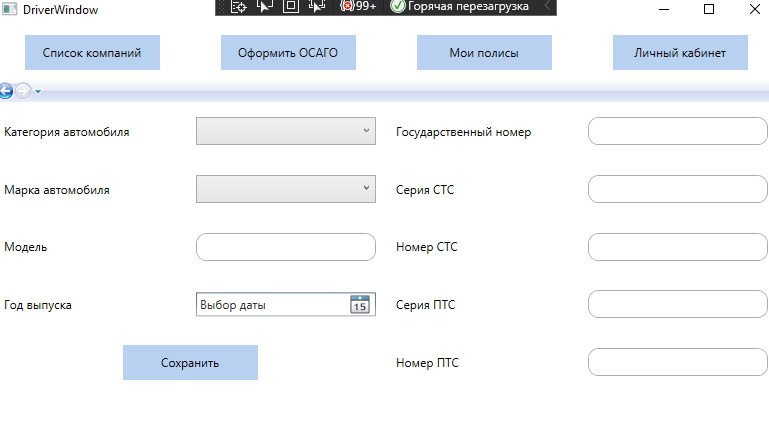


Рисунок 12. Добавление автомобиля

Если оператор зашел в роли страхового агента он, также сможет оформить страховой полис ОСАГО.

На рисунке 13 представлено окно оформления полиса.

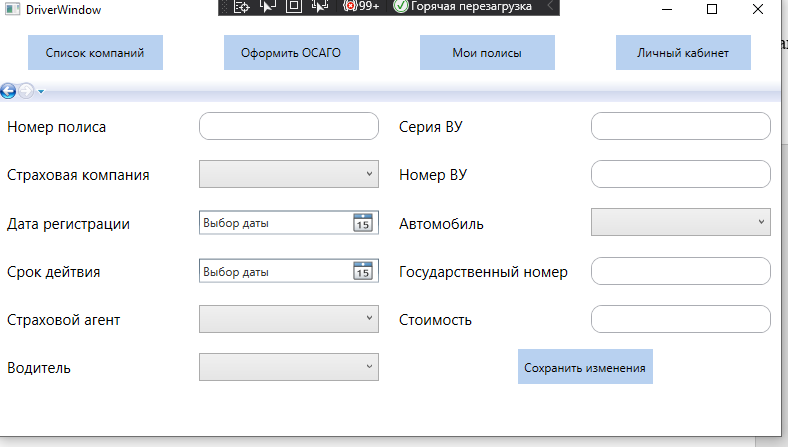


Рисунок 13. Оформление полиса

Сообщения оператору

Во время работы в данном приложении оператор получает много системных оповещений.

Оповещения при регистрации и авторизации представлены на рисунках 14-19.

.

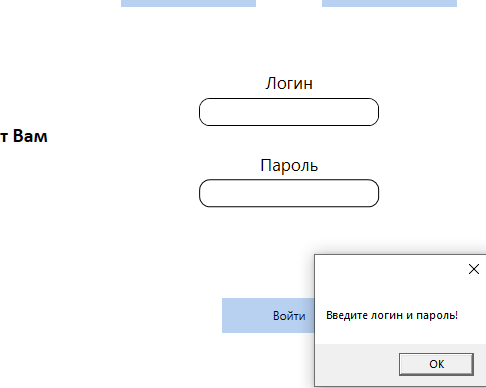


Рисунок 14. Отсутствие логина и пароля

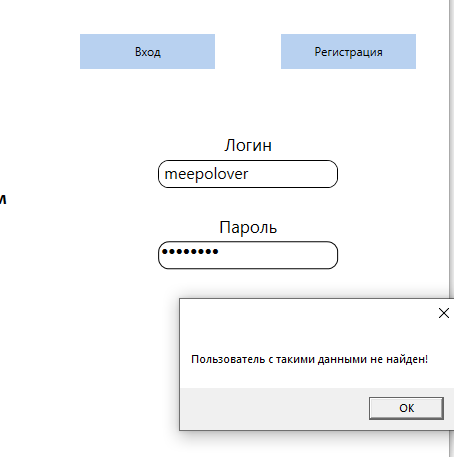


Рисунок 15. Некорректный ввод логина или пароля

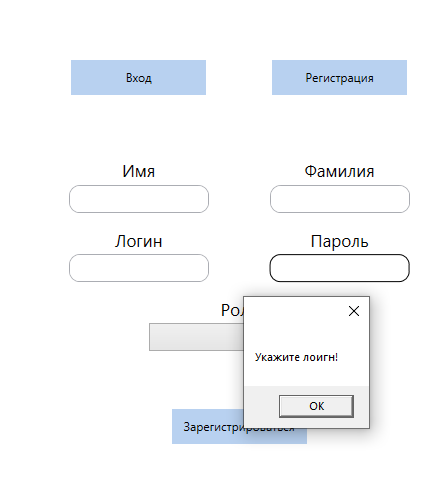


Рисунок 16. Пустой логин при регистрации

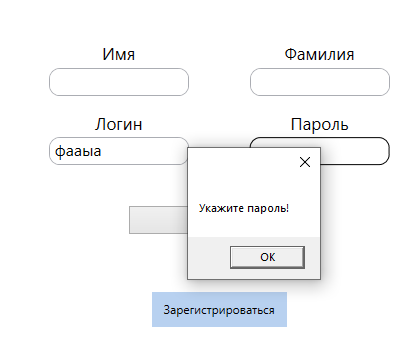


Рисунок 17. Пустой пароль при регистрации

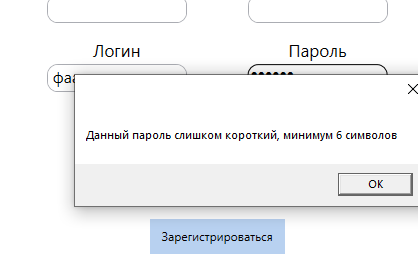


Рисунок 18. Пароль не соответствует требованиям

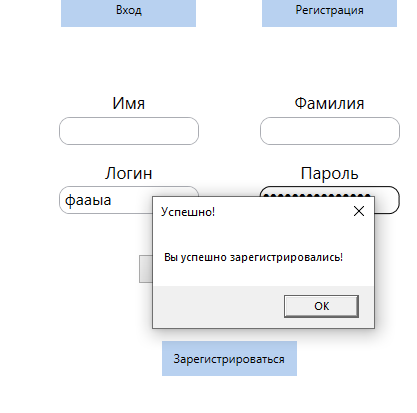


Рисунок 19. Успешная регистрация

# **Листинг программных модулей**

App.config

<?xml version="1.0" encoding="utf-8"?>

<configuration>

<configSections>

<!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?LinkID=237468 -->

<section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />

</configSections>

<startup>

<supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.6.1" />

</startup>

<entityFramework>

<defaultConnectionFactory type="System.Data.Entity.Infrastructure.SqlConnectionFactory, EntityFramework" />

<providers>

<provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServices, EntityFramework.SqlServer" />

</providers>

</entityFramework>

<connectionStrings><add name="Entities" connectionString="metadata=res://\*/Model1.csdl|res://\*/Model1.ssdl|res://\*/Model1.msl;provider=System.Data.SqlClient;provider connection string=&quot;data source=BD-KIP\SQLEXPRESS;initial catalog=osago;persist security info=True;user id=sa;password=1qaz!QAZ;MultipleActiveResultSets=True;App=EntityFramework&quot;" providerName="System.Data.EntityClient" /></connectionStrings></configuration>

App.xaml

<Application x:Class="PR30TRPO.App"

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

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

xmlns:local="clr-namespace:PR30TRPO"

StartupUri="MainWindow.xaml">

<Application.Resources>

<ResourceDictionary>

<ResourceDictionary.MergedDictionaries>

<ResourceDictionary Source="/Resources/MyDictionary.xaml" />

</ResourceDictionary.MergedDictionaries>

</ResourceDictionary>

</Application.Resources>

</Application>

App.xaml.cs

using System;

using System.Collections.Generic;

using System.Configuration;

using System.Data;

using System.Linq;

using System.Threading.Tasks;

using System.Windows;

namespace PR30TRPO

{

/// <summary>

/// Логика взаимодействия для App.xaml

/// </summary>

public partial class App : Application

{

}

}

MainWindow.xaml

<Window x:Class="PR30TRPO.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:PR30TRPO"

mc:Ignorable="d"

Title="Оформление полса ОСАГО" Height="528" Width="960">

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="1.35\*" />

<ColumnDefinition Width="1\*" />

</Grid.ColumnDefinitions>

<Frame Grid.Column="1" Source="/Pages/Authorization.xaml" Name="frameAuth" NavigationUIVisibility="Hidden"/>

<TextBlock FontFamily="Calibri"

TextWrapping="Wrap" HorizontalAlignment="Center" VerticalAlignment="Center" FontSize="20" Foreground="Black"

Margin="20 30 20 40"

FontWeight="DemiBold" ><Run Text=" "/><Run Text="Добро пожаловать! "/><LineBreak/><Run Text="Наше приложение поможет Вам оформить страховку на Ваш автомобиль. "/></TextBlock>

</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;

namespace PR30TRPO

{

/// <summary>

/// Логика взаимодействия для MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

private static MainWindow thisWindow;

public MainWindow()

{

InitializeComponent();

thisWindow = this;

}

public static void CLoseWindow() => thisWindow.Close();

}

}

AddCarPage.xaml

<Page x:Class="PR30TRPO.Pages.AddCarPage"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="AddCarPage">

<Grid>

<Grid.RowDefinitions>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<TextBlock Text="Категория автомобиля" Grid.Row="0" Grid.Column="0" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Марка автомобиля" Grid.Row="1" Grid.Column="0" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Модель" Grid.Row="2" Grid.Column="0" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Год выпуска" Grid.Row="3" Grid.Column="0" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Государственный номер" Grid.Row="0" Grid.Column="1" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Серия СТС" Grid.Row="1" Grid.Column="1" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Номер СТС" Grid.Row="2" Grid.Column="1" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Серия ПТС" Grid.Row="3" Grid.Column="1" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<TextBlock Text="Номер ПТС" Grid.Row="4" Grid.Column="1" Style="{DynamicResource TextBlockStyle}" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" />

<ComboBox Name="CmbCategory" SelectedItem="{Binding CarCategories}" DisplayMemberPath="NameOfCategory" Grid.Row="0" Grid.Column="0" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<ComboBox Name="CmbBrand" SelectedItem="{Binding CarBrands}" DisplayMemberPath="NameOfBrand" Grid.Row="1" Grid.Column="0" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="Model" Grid.Row="2" Grid.Column="0" Style="{DynamicResource Login}" Text="{Binding Model}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="GovernmentNumber" Grid.Row="0" Grid.Column="1" Style="{DynamicResource Login}" Text="{Binding GovernmentNumber}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="VRCSeries" Grid.Row="1" Grid.Column="1" Style="{DynamicResource Login}" Text="{Binding VRCSeries}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="VRCNumber" Grid.Row="2" Grid.Column="1" Style="{DynamicResource Login}" Text="{Binding VRCNumber}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="VPSeries" Grid.Row="3" Grid.Column="1" Style="{DynamicResource Login}" Text="{Binding VPSeries}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="VPNumber" Grid.Row="4" Grid.Column="1" Style="{DynamicResource Login}" Text="{Binding VPNumber}" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Grid.Row="3" Grid.Column="0" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<Button x:Name="SaveCar" Content="Сохранить" Style="{DynamicResource ButtonStyle}" Grid.Row="4" Grid.Column="0" Click="SaveCar\_Button"/>

</Grid>

</Page>

AddCarPage.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для AddCarPage.xaml

/// </summary>

public partial class AddCarPage : Page

{

public AddCarPage()

{

InitializeComponent();

DataContext = new Cars();

CmbCategory.ItemsSource = Entities.GetContext().CarCategories.ToList();

CmbBrand.ItemsSource = Entities.GetContext().CarBrands.ToList();

}

private Cars \_currentCar = new Cars();

private void SaveCar\_Button(object sender, RoutedEventArgs e)

{

if (\_currentCar.ID == 0) Entities.GetContext().Cars.Add(\_currentCar);

try

{

Entities.GetContext().Cars.Add(\_currentCar);

MessageBox.Show("Данные успешно сохранены");

NavigationService.GoBack();

}

catch (Exception ex)

{

MessageBox.Show(ex.ToString());

}

}

}

}

AgentWindow.xaml

<Window x:Class="PR30TRPO.Pages.AgentWindow"

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:PR30TRPO.Pages"

mc:Ignorable="d"

Title="AgentWindow" Height="450" Width="800">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="55"/>

<RowDefinition/>

<RowDefinition Height="45"/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Frame x:Name="MainFrame" Grid.Row="1" Source="/Pages/MainFrame.xaml" Grid.ColumnSpan="4" />

<Button x:Name="PersonalAccount" Grid.Row="0" Grid.Column="3" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Личный кабинет" Click="PersonalAccountAgent\_Button"/>

<Button x:Name="TakeOutPolicy" Grid.Row="0" Grid.Column="1" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Оформить ОСАГО" Click="TakeOutPolicy\_Button" />

<Button x:Name="ListOfCompanies" Grid.Row="0" Grid.Column="0" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Список компаний" Click="ListOfCompanies\_Button" />

<Button x:Name="MyPolicies" Grid.Row="0" Grid.Column="2" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Мои полисы" Click="MyPolicies\_Button" />

</Grid>

</Window>

AgentWindow.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.Shapes;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для AgentWindow.xaml

/// </summary>

public partial class AgentWindow : Window

{

private InsuranceAgents \_currentAgent=new InsuranceAgents();

public AgentWindow(InsuranceAgents currentAgent)

{

InitializeComponent();

DataContext = \_currentAgent;

\_currentAgent = currentAgent;

}

private void ListOfCompanies\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new Uri("/Pages/ListOfCompanies.xaml", UriKind.Relative));

private void PersonalAccountAgent\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new PersonalAccountAgent(\_currentAgent));

private void MyPolicies\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new MyPolicies(\_currentAgent));

private void TakeOutPolicy\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new TakeOutPolicy());

}

}

Authorization.xaml

<Page x:Class="PR30TRPO.Pages.Authorization"

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:PR30TRPO.Pages"

mc:Ignorable="d"

d:DesignHeight="450" d:DesignWidth="408"

Title="Authorization">

<Grid Background="White">

<Grid.RowDefinitions>

<RowDefinition Height="1\*"/>

<RowDefinition Height="0.5\*"/>

<RowDefinition Height="0.5\*"/>

<RowDefinition Height="1\*"/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Button Style="{DynamicResource ButtonStyle}" Content="Вход" Grid.Row="0" Grid.Column="0" />

<Button Style="{DynamicResource ButtonStyle}" Content="Регистрация" Grid.Row="0" Grid.Column="1" Click="SignUp\_Click"/>

<TextBlock Text="Логин" Style="{DynamicResource TextBlockStyle}" Grid.Row="1" HorizontalAlignment="Center" FontSize="17" Grid.ColumnSpan="2" />

<TextBox x:Name="TextBoxLogin" Style="{DynamicResource Login}" Grid.Row="1" Grid.ColumnSpan="2" BorderThickness="1" BorderBrush="Black"/>

<TextBlock Text="Пароль" Style="{DynamicResource TextBlockStyle}" Grid.Row="2" HorizontalAlignment="Center" FontSize="17" Grid.ColumnSpan="2" />

<PasswordBox x:Name="PasswordBoxLogin" Grid.Row="2" Grid.ColumnSpan="2" Width="180" Height="28">

<PasswordBox.Resources>

<Style x:Key="{x:Type PasswordBox}" TargetType="{x:Type PasswordBox}">

<Setter Property="Template">

<Setter.Value>

<ControlTemplate TargetType="{x:Type PasswordBox}">

<Border CornerRadius="10" BorderThickness="1" BorderBrush="Black">

<ScrollViewer x:Name="PART\_ContentHost"/>

</Border>

</ControlTemplate>

</Setter.Value>

</Setter>

</Style>

</PasswordBox.Resources>

</PasswordBox>

<Button Style="{DynamicResource ButtonStyle}" Content="Войти" Grid.Row="3" Grid.ColumnSpan="2" Click="SignIn\_Click" />

</Grid>

</Page>

Authorization.xaml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Security.Cryptography;

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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для Authorization.xaml

/// </summary>

public partial class Authorization : Page

{

public Authorization()

{

InitializeComponent();

}

public static string GetHash(string password)

{

using (var hash = SHA1.Create())

{

return string.Concat(hash.ComputeHash(Encoding.UTF8.GetBytes(password)).Select(x => x.ToString("X2")));

}

}

private void SignUp\_Click(object sender, RoutedEventArgs e) => NavigationService.Navigate(new Uri("/Pages/Registration.xaml", UriKind.Relative));

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

{

if (string.IsNullOrEmpty(TextBoxLogin.Text) || string.IsNullOrEmpty(PasswordBoxLogin.Password))

{

MessageBox.Show("Введите логин и пароль!");

return;

}

string \_password = GetHash(PasswordBoxLogin.Password);

using (var dbDrive = new Entities())

{

var driver = dbDrive.Drivers.AsNoTracking().FirstOrDefault(u => u.Login == TextBoxLogin.Text && u.Password == \_password);

if (driver == null)

{

using (var dbAgent = new Entities())

{

var agent = dbAgent.InsuranceAgents.AsNoTracking().FirstOrDefault(u => u.Login == TextBoxLogin.Text && u.Password == \_password);

if (agent == null) { MessageBox.Show("Пользователь с такими данными не найден!"); return; }

else

{

var newWindow = new AgentWindow(agent);

newWindow.Show();

MainWindow.CLoseWindow();

}

}

}

else

{

var newWindow = new DriverWindow(driver);

newWindow.Show();

MainWindow.CLoseWindow();

}

}

}

}

}

DriverWindow.xaml

<Window x:Class="PR30TRPO.Pages.DriverWindow"

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:PR30TRPO.Pages"

mc:Ignorable="d"

Title="DriverWindow" Height="450" Width="800">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="55"/>

<RowDefinition/>

<RowDefinition Height="45"/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Frame x:Name="MainFrame" Grid.Row="1" Source="/Pages/MainFrame.xaml" Grid.ColumnSpan="4" />

<Button x:Name="PersonalAccount" Grid.Row="0" Grid.Column="3" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Личный кабинет" Click="PersonalAccountDriver\_Button"/>

<Button x:Name="TakeOutPolicy" Grid.Row="0" Grid.Column="1" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Оформить ОСАГО" Click="TakeOutPolicy\_Button" />

<Button x:Name="ListOfCompanies" Grid.Row="0" Grid.Column="0" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Список компаний" Click="ListOfCompanies\_Button" />

<Button x:Name="MyPolicies" Grid.Row="0" Grid.Column="2" Style="{DynamicResource ButtonStyle}" HorizontalAlignment="Center" Content="Мои полисы" Click="MyPolicies\_Button" />

</Grid>

</Window>

DriverWindow.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.Shapes;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для DriverWindow.xaml

/// </summary>

public partial class DriverWindow : Window

{

private Drivers \_currentDriver;

public DriverWindow(Drivers currentDriver)

{

InitializeComponent();

DataContext = \_currentDriver;

\_currentDriver = currentDriver;

}

private void ListOfCompanies\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new Uri("/Pages/ListOfCompanies.xaml", UriKind.Relative));

private void PersonalAccountDriver\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new PersonalAccountDriver(\_currentDriver));

private void MyPolicies\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new MyPolicies(\_currentDriver));

private void TakeOutPolicy\_Button(object sender, RoutedEventArgs e) => MainFrame.NavigationService.Navigate(new TakeOutPolicy());

}

}

ListOfCompanies.xaml

<Page x:Class="PR30TRPO.Pages.ListOfCompanies"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="ListOfCompanies">

<Grid>

<Grid.RowDefinitions>

<RowDefinition/>

</Grid.RowDefinitions>

<DataGrid Grid.Row="0" x:Name="DataGridCompanies" AutoGenerateColumns="False" IsReadOnly="True">

<DataGrid.Columns >

<DataGridTextColumn Header="Название компании" Binding="{Binding NameOfCompany}" />

</DataGrid.Columns>

</DataGrid>

</Grid>

</Page>

ListOfCompanies.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для ListOfCompanies.xaml

/// </summary>

public partial class ListOfCompanies : Page

{

public ListOfCompanies()

{

InitializeComponent();

DataGridCompanies.ItemsSource = Entities.GetContext().InsuranceCompanies.ToList();

}

}

}

MainFrame.xaml

<Page x:Class="PR30TRPO.Pages.MainFrame"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="MainFrame">

<Grid>

</Grid>

</Page>

MainFrame.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для MainFrame.xaml

/// </summary>

public partial class MainFrame : Page

{

public MainFrame()

{

InitializeComponent();

}

}

}

MyPolicies.xaml

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 System.IO;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для MyPolicies.xaml

/// </summary>

public partial class MyPolicies : Page

{

private void ExportDataToTextFile(DataGrid dataGrid, string filePath)

{

var stringBuilder = new StringBuilder();

foreach (var item in dataGrid.Items)

{

var dataGridRow = dataGrid.ItemContainerGenerator.ContainerFromItem(item) as DataGridRow;

if (dataGridRow != null)

{

foreach (var column in dataGrid.Columns)

{

var cellContent = column.GetCellContent(item);

if (cellContent != null)

{

stringBuilder.Append(cellContent.ToString() + "\t");

}

}

stringBuilder.AppendLine();

}

}

// Сохранение данных в текстовый файл

File.WriteAllText(filePath, stringBuilder.ToString());

}

public MyPolicies(Drivers currentDriver)

{

InitializeComponent();

//DataGridPolicies.ItemsSource = Entities.GetContext().Policies.ToList();

var currentPolice = Entities.GetContext().Policies.ToList();

currentPolice = currentPolice.Where(x => x.DriverID == currentDriver.ID).ToList();

DataGridPolicies.ItemsSource = currentPolice;

string filePath = "C:/Users/206925/otc.txt";

// Вызов метода для экспорта данных

ExportDataToTextFile(DataGridPolicies, filePath);

MessageBox.Show("Данные успешно экспортированы в текстовый файл.");

}

public MyPolicies(InsuranceAgents currentAgent)

{

InitializeComponent();

//DataGridPolicies.ItemsSource = Entities.GetContext().Policies.ToList();

var currentPolice = Entities.GetContext().Policies.ToList();

currentPolice = currentPolice.Where(x => x.InsuranceAgentID == currentAgent.ID).ToList();

DataGridPolicies.ItemsSource = currentPolice;

string filePath = "C:/Users/206925/otc.txt";

// Вызов метода для экспорта данных

ExportDataToTextFile(DataGridPolicies, filePath);

MessageBox.Show("Данные успешно экспортированы в текстовый файл.");

}

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

{

// Указываете путь к файлу, куда нужно сохранить данные

string filePath = "C:/Users/206925/otc.txt";

// Вызов метода для экспорта данных

ExportDataToTextFile(DataGridPolicies, filePath);

MessageBox.Show("Данные успешно экспортированы в текстовый файл.");

}

}

}

MyPolicies.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для MainFrame.xaml

/// </summary>

public partial class MainFrame : Page

{

public MainFrame()

{

InitializeComponent();

}

}

}

PersonalAccountAgent.xaml

<Page x:Class="PR30TRPO.Pages.PersonalAccountAgent"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="PersonalAccountAgent">

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

</Grid.RowDefinitions>

<TextBlock Text="Фамилия" Grid.Row="0" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Имя" Grid.Row="1" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Отчество" Grid.Row="2" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата рождения" Grid.Row="3" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Серия паспорта" Grid.Row="0" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Номер паспорта" Grid.Row="1" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата выдачи паспорта" Grid.Row="2" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBox x:Name="LastName" Grid.Row="0" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding LastName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="FirstName" Grid.Row="1" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding FirstName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="MiddleName" Grid.Row="2" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding MiddleName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="PassportSeries" Grid.Row="0" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding PassportSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="PassportNumber" Grid.Row="1" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding PassportSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPDateOfBirth" Text="{Binding DateOfBirth}" Grid.Row="3" Grid.Column="0" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPPassportIssueDate" Text="{Binding PassportIssueDate}" Grid.Row="2" Grid.Column="1" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<Button Style="{DynamicResource ButtonStyle}" Grid.Row="3" Grid.Column="1" Content="Сохранить изменения" Click="SaveChanges\_Button" />

</Grid>

</Page>

PersonalAccountAgent.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для PersonalAccountAgent.xaml

/// </summary>

public partial class PersonalAccountAgent : Page

{

private InsuranceAgents \_currentAgent;

public PersonalAccountAgent(InsuranceAgents selectedAgent)

{

InitializeComponent();

if(selectedAgent != null )

\_currentAgent = selectedAgent;

DataContext = \_currentAgent;

}

private void SaveChanges\_Button(object sender, RoutedEventArgs e)

{

try

{

Entities.GetContext().SaveChanges();

MessageBox.Show("Данные успешно сохранены!");

}

catch (Exception ex)

{

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

}

}

}

}

PersonalAccountDriver.xaml

<Page x:Class="PR30TRPO.Pages.PersonalAccountDriver"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="PersonalAccountDriver">

<Grid>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

</Grid.RowDefinitions>

<TextBlock Text="Фамилия" Grid.Row="0" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Имя" Grid.Row="1" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Отчество" Grid.Row="2" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата рождения" Grid.Row="3" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Серия паспорта" Grid.Row="0" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Номер паспорта" Grid.Row="1" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата выдачи паспорта" Grid.Row="2" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Серия ВУ" Grid.Row="3" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Номер ВУ" Grid.Row="4" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата выдачи ВУ" Grid.Row="5" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBox x:Name="LastName" Grid.Row="0" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding LastName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="FirstName" Grid.Row="1" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding FirstName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="MiddleName" Grid.Row="2" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding MiddleName}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="PassportSeries" Grid.Row="0" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding PassportSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="PassportNumber" Grid.Row="1" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding PassportSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="DriverLicenseSeries" Grid.Row="3" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding DriverLicenseSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="DriverLicenseNumber" Grid.Row="4" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding DriverLicenseNumber}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPDateOfBirth" Text="{Binding DateOfBirth}" Grid.Row="3" Grid.Column="0" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPPassportIssueDate" Text="{Binding PassportIssueDate}" Grid.Row="2" Grid.Column="1" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPDriverLicenseIssueDate" Text="{Binding DriverLicenseIssueDate}" Grid.Row="5" Grid.Column="1" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<Button Style="{DynamicResource ButtonStyle}" Grid.Row="4" Grid.Column="0" Content="Добавить автомобиль" Click="AddCar\_Button"/>

<Button Style="{DynamicResource ButtonStyle}" Grid.Row="5" Grid.Column="0" Content="Сохранить изменения" Click="SaveChanges\_Button" />

</Grid>

</Page>

PersonalAccountDriver.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для PersonalAccountDriver.xaml

/// </summary>

public partial class PersonalAccountDriver : Page

{

public PersonalAccountDriver(Drivers selectedDriver)

{

InitializeComponent();

if(selectedDriver != null)

\_currentDriver = selectedDriver;

DataContext = \_currentDriver;

}

private Drivers \_currentDriver = new Drivers();

private void AddCar\_Button(object sender, RoutedEventArgs e) => NavigationService.Navigate(new Uri("/Pages/AddCarPage.xaml", UriKind.Relative));

private void SaveChanges\_Button(object sender, RoutedEventArgs e)

{

if (\_currentDriver.ID == 0) Entities.GetContext().Drivers.Add(\_currentDriver);

try

{

Entities.GetContext().SaveChanges();

MessageBox.Show("Данные успешно сохранены!");

}

catch (Exception ex)

{

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

}

}

}

}

Registration.xaml

<Page x:Class="PR30TRPO.Pages.Registration"

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:PR30TRPO.Pages"

mc:Ignorable="d"

d:DesignHeight="450" d:DesignWidth="408"

Title="Registration">

<Grid Background="White">

<Grid.RowDefinitions>

<RowDefinition Height="163"/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition Height="1.7\*"/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Button Style="{DynamicResource ButtonStyle}" Content="Вход" Grid.Row="0" Grid.Column="0" Click="SignIn\_Button"/>

<Button Style="{DynamicResource ButtonStyle}" Content="Регистрация" Grid.Row="0" Grid.Column="1" />

<TextBlock Text="Имя" Style="{DynamicResource TextBlockStyle}" Grid.Row="1" Grid.Column="0" FontSize="17" HorizontalAlignment="Center" />

<TextBox x:Name="FirstNameLogin" Style="{DynamicResource Registration}" Grid.Row="1" Grid.Column="0" Margin="0 10 0 0" />

<TextBlock Text="Фамилия" Style="{DynamicResource TextBlockStyle}" Grid.Row="1" Grid.Column="1" FontSize="17" HorizontalAlignment="Center" />

<TextBox x:Name="LastNameLogin" Style="{DynamicResource Registration}" Grid.Row="1" Grid.Column="1" Margin="0 10 0 0" />

<TextBlock Text="Логин" Style="{DynamicResource TextBlockStyle}" Grid.Row="2" Grid.Column="0" FontSize="17" HorizontalAlignment="Center" />

<TextBox x:Name="Login" Style="{DynamicResource Registration}" Grid.Row="2" Grid.Column="0" Margin="0 10 0 0" />

<TextBlock Text="Пароль" Style="{DynamicResource TextBlockStyle}" Grid.Row="2" Grid.Column="1" FontSize="17" HorizontalAlignment="Center" />

<PasswordBox x:Name="Password" Grid.Row="2" Grid.Column="1" Margin="0 10 0 0" Width="140" Height="28" >

<PasswordBox.Resources>

<Style x:Key="{x:Type PasswordBox}" TargetType="{x:Type PasswordBox}">

<Setter Property="Template">

<Setter.Value>

<ControlTemplate TargetType="{x:Type PasswordBox}">

<Border CornerRadius="10" BorderThickness="1" BorderBrush="Black">

<ScrollViewer x:Name="PART\_ContentHost"/>

</Border>

</ControlTemplate>

</Setter.Value>

</Setter>

</Style>

</PasswordBox.Resources>

</PasswordBox>

<TextBlock Text="Роль" Style="{DynamicResource TextBlockStyle}" Grid.Row="3" Grid.ColumnSpan="2" FontSize="17" HorizontalAlignment="Center" />

<ComboBox Name="CmbRole" Grid.Row="3" Grid.ColumnSpan="2" Width="180" Height="28" Margin="0 10 0 0" >

<ComboBoxItem Content="Водитель" />

<ComboBoxItem Content="Страховой агент" />

</ComboBox>

<Button Style="{DynamicResource ButtonStyle}" Grid.Row="4" Grid.ColumnSpan="2" Content="Зарегистрироваться" Click="SignUp\_Button" />

</Grid>

</Page>

Registration.xaml.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Security.Cryptography;

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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для Registration.xaml

/// </summary>

public partial class Registration : Page

{

public Registration()

{

InitializeComponent();

}

public static string GetHash(string password)

{

using (var hash = SHA1.Create())

{

return string.Concat(hash.ComputeHash(Encoding.UTF8.GetBytes(password)).Select(x => x.ToString("X2")));

}

}

private void SignIn\_Button(object sender, RoutedEventArgs e) => NavigationService.Navigate(new Uri("/Pages/Authorization.xaml", UriKind.Relative));

private void SignUp\_Button(object sender, RoutedEventArgs e)

{

if (Login.Text.Length > 0)

{

if (Password.Password.Length > 0)

{

if (Password.Password.Length > 6)

{

bool en = true;

bool number = false;

for (int i = 0; i < Password.Password.Length; i++)

{

if (Password.Password[i] >= 'А' && Password.Password[i] <= 'Я') en = false;

if (Password.Password[i] >= '0' && Password.Password[i] <= '9') number = true;

}

if (!en) MessageBox.Show("Доступна только английская раскладка");

else if (!number) MessageBox.Show("Введите хотя бы одну цифру");

if (en && number)

{

if(CmbRole.Text=="Водитель")

{

Entities dbDriver = new Entities();

Drivers driverObject = new Drivers

{

LastName= LastNameLogin.Text,

FirstName= FirstNameLogin.Text,

Login= Login.Text,

Password=GetHash(Password.Password)

};

dbDriver.Drivers.Add(driverObject);

dbDriver.SaveChanges();

MessageBox.Show("Вы успешно зарегистрировались!", "Успешно!", MessageBoxButton.OK);

NavigationService.Navigate((new Uri("/Pages/Authorization.xaml", UriKind.Relative)));

}

else

{

Entities dbAgent = new Entities();

InsuranceAgents agentObject = new InsuranceAgents

{

LastName = LastNameLogin.Text,

FirstName = FirstNameLogin.Text,

Login = Login.Text,

Password = GetHash(Password.Password)

};

dbAgent.InsuranceAgents.Add(agentObject);

dbAgent.SaveChanges();

MessageBox.Show("Вы успешно зарегистрировались!", "Успешно!", MessageBoxButton.OK);

NavigationService.Navigate((new Uri("/Pages/Authorization.xaml", UriKind.Relative)));

}

}

}

else MessageBox.Show("Данный пароль слишком короткий, минимум 6 символов");

}

else MessageBox.Show("Укажите пароль!");

}

else MessageBox.Show("Укажите лоигн!");

}

}

}

TakeOutPolicy.xaml

<Page x:Class="PR30TRPO.Pages.TakeOutPolicy"

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:PR30TRPO.Pages"

mc:Ignorable="d"

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

Title="TakeOutPolicy">

<Grid>

<Grid.RowDefinitions>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

<RowDefinition/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<TextBlock Text="Номер полиса" Grid.Row="0" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Страховая компания" Grid.Row="1" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Дата регистрации" Grid.Row="2" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Срок дейтвия" Grid.Row="3" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Страховой агент" Grid.Row="4" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Водитель" Grid.Row="5" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Серия ВУ" Grid.Row="0" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Номер ВУ" Grid.Row="1" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Автомобиль" Grid.Row="2" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Государственный номер" Grid.Row="3" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBlock Text="Стоимость" Grid.Row="4" Grid.Column="1" VerticalAlignment="Center" HorizontalAlignment="Left" Margin="10 0 0 0" FontSize="15" Style="{DynamicResource TextBlockStyle}"/>

<TextBox x:Name="NumberOfPolice" Grid.Row="0" Grid.Column="0" Style="{DynamicResource PersonalAccount}" Text="{Binding PoliceNumber}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="DriverLicenseSeries" Grid.Row="0" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding DriverLicenseSeries}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="DriverLicenseNumber" Grid.Row="1" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding DriverLicenseNumber}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="GovernmentNumber" Grid.Row="3" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding GovernmentNumber}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<TextBox x:Name="Cost" Grid.Row="4" Grid.Column="1" Style="{DynamicResource PersonalAccount}" Text="{Binding Cost}" HorizontalAlignment="Right" Margin="0 0 10 0" />

<ComboBox Name="CmbCompany" SelectedItem="{Binding InsuranceCompanies}" DisplayMemberPath="NameOfCompany" Grid.Row="1" Grid.Column="0" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<ComboBox Name="CmbCar" SelectedItem="{Binding Cars}" DisplayMemberPath="Model" Grid.Row="2" Grid.Column="1" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<ComboBox Name="CmbDriver" SelectedItem="{Binding Drivers}" DisplayMemberPath="LastName" Grid.Row="5" Grid.Column="0" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<ComboBox Name="CmbAgent" SelectedItem="{Binding InsuranceAgents}" DisplayMemberPath="LastName" Grid.Row="4" Grid.Column="0" Width="180" Height="28" VerticalAlignment="Center" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPDateOfRegistration" Text="{Binding DateOfRegistration}" Grid.Row="2" Grid.Column="0" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<DatePicker Name="DPValidityPeriod" Text="{Binding ValidityPeriod}" Grid.Row="3" Grid.Column="0" SelectedDateFormat="Short" VerticalAlignment="Center" Width="180" HorizontalAlignment="Right" Margin="0 0 10 0" />

<Button Style="{DynamicResource ButtonStyle}" Grid.Row="5" Grid.Column="1" Content="Сохранить изменения" Click="SaveChanges\_Button" />

</Grid>

</Page>

TakeOutPolicy.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;

namespace PR30TRPO.Pages

{

/// <summary>

/// Логика взаимодействия для TakeOutPolicy.xaml

/// </summary>

public partial class TakeOutPolicy : Page

{

private Policies \_currentPolice = new Policies();

public TakeOutPolicy()

{

InitializeComponent();

DataContext = \_currentPolice;

CmbCompany.ItemsSource = Entities.GetContext().InsuranceCompanies.ToList();

CmbAgent.ItemsSource=Entities.GetContext().InsuranceAgents.ToList();

CmbDriver.ItemsSource=Entities.GetContext().Drivers.ToList();

CmbCar.ItemsSource=Entities.GetContext().Cars.ToList();

}

private void SaveChanges\_Button(object sender, RoutedEventArgs e)

{

StringBuilder errors = new StringBuilder();

if (string.IsNullOrWhiteSpace(\_currentPolice.PoliceNumber)) errors.AppendLine("Введите номер полиса!");

if (\_currentPolice.InsuranceCompanies==null) errors.AppendLine("Выберите страховую компанию!");

if (DPDateOfRegistration.SelectedDate==null) errors.AppendLine("Введите дату регистрации!");

if (DPValidityPeriod.SelectedDate==null) errors.AppendLine("Введите срок действия!");

if (\_currentPolice.InsuranceAgents==null) errors.AppendLine("Выберите страхового агента!");

if (\_currentPolice.Drivers == null) errors.AppendLine("Выберите водителя!");

if (string.IsNullOrWhiteSpace(\_currentPolice.DriverLicenseSeries)) errors.AppendLine("Введите серию ВУ!");

if (string.IsNullOrWhiteSpace(\_currentPolice.DriverLicenseNumber)) errors.AppendLine("Введите номер ВУ!");

if (\_currentPolice.Cars == null) errors.AppendLine("Выберите автомобиль!");

if (string.IsNullOrWhiteSpace(\_currentPolice.GovernmentNumber)) errors.AppendLine("Введите государственный номер!");

if (string.IsNullOrWhiteSpace(Convert.ToString(\_currentPolice.Cost))) errors.AppendLine("Введите стоимость!");

if (errors.Length > 0)

{

MessageBox.Show(errors.ToString());

return;

}

if (\_currentPolice.ID == 0) Entities.GetContext().Policies.Add(\_currentPolice);

try

{

Entities.GetContext().SaveChanges();

MessageBox.Show("Данные успешно сохранены!");

}

catch (Exception ex)

{

MessageBox.Show(ex.ToString());

}

}

}

}

MyDictionary.xaml

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

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

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

<Setter Property="Background" Value="#FF10C382"/>

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

<Setter Property="Width" Value="135" />

<Setter Property="Height" Value="35" />

<Setter Property="BorderBrush" Value="#FF10C382" />

</Style>

<Style x:Key="TextBlockStyle" TargetType="TextBlock">

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

</Style>

<Style x:Key="Login" TargetType="TextBox">

<Setter Property="Width" Value="180" />

<Setter Property="Height" Value="28" />

<Setter Property="FontSize" Value="16" />

<Setter Property="Margin" Value="10 0" />

<Setter Property="Padding" Value="3 1 3 0" />

<Setter Property="HorizontalAlignment" Value="Center" />

<Style.Resources>

<Style TargetType="{x:Type Border}">

<Setter Property="CornerRadius" Value="10"/>

</Style>

</Style.Resources>

</Style>

<Style x:Key="PersonalAccount" TargetType="TextBox">

<Setter Property="Width" Value="180" />

<Setter Property="Height" Value="28" />

<Setter Property="FontSize" Value="16" />

<Setter Property="Margin" Value="10 0" />

<Setter Property="Padding" Value="3 1 3 0" />

<Setter Property="HorizontalAlignment" Value="Center" />

<Style.Resources>

<Style TargetType="{x:Type Border}">

<Setter Property="CornerRadius" Value="10"/>

</Style>

</Style.Resources>

</Style>

<Style x:Key="Registration" TargetType="TextBox">

<Setter Property="Width" Value="140" />

<Setter Property="Height" Value="28" />

<Setter Property="FontSize" Value="16" />

<Setter Property="Margin" Value="10 0" />

<Setter Property="Padding" Value="3 1 3 0" />

<Setter Property="HorizontalAlignment" Value="Center" />

<Style.Resources>

<Style TargetType="{x:Type Border}">

<Setter Property="CornerRadius" Value="10"/>

</Style>

</Style.Resources>

</Style>

<Style x:Key="Password" TargetType="PasswordBox">

<Setter Property="Width" Value="140" />

<Setter Property="Height" Value="20" />

<Setter Property="FontSize" Value="16" />

<Setter Property="Margin" Value="10 0" />

<Setter Property="Padding" Value="3 1 3 0" />

<Setter Property="HorizontalAlignment" Value="Center" />

<Style.Resources>

<Style TargetType="{x:Type Border}">

<Setter Property="CornerRadius" Value="10"/>

</Style>

</Style.Resources>

</Style>

</ResourceDictionary>