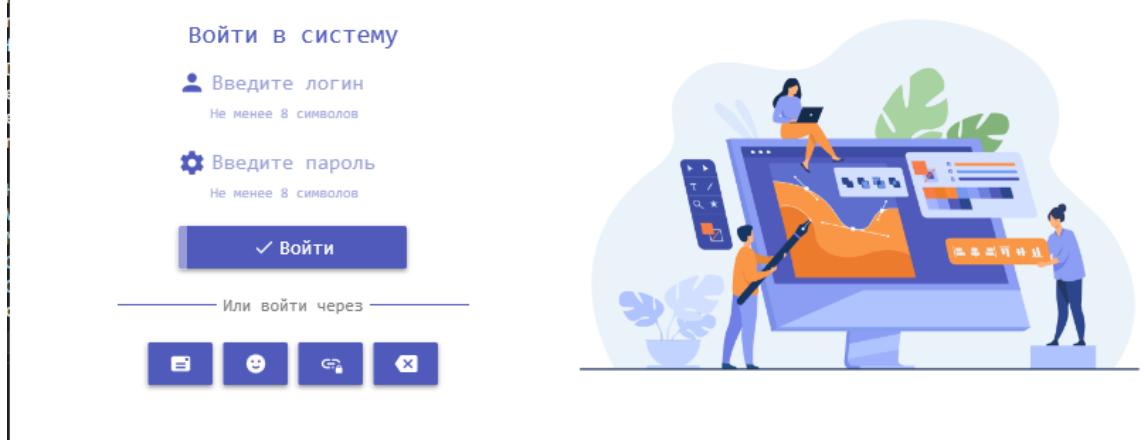
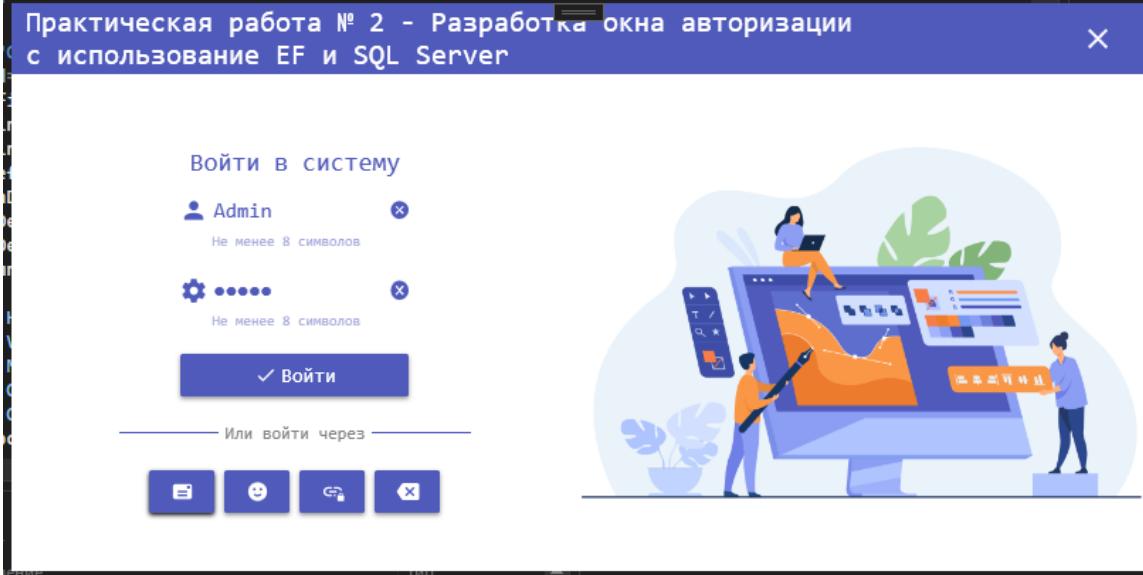


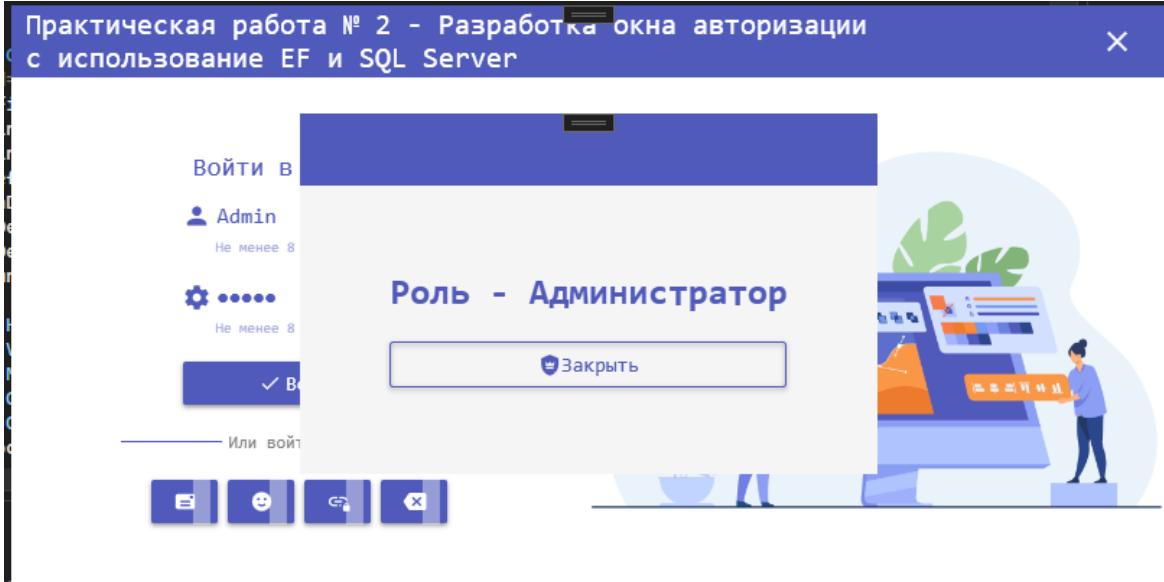
Практическая работа № 2 - Разработка окна авторизации с использование EF и SQL Server

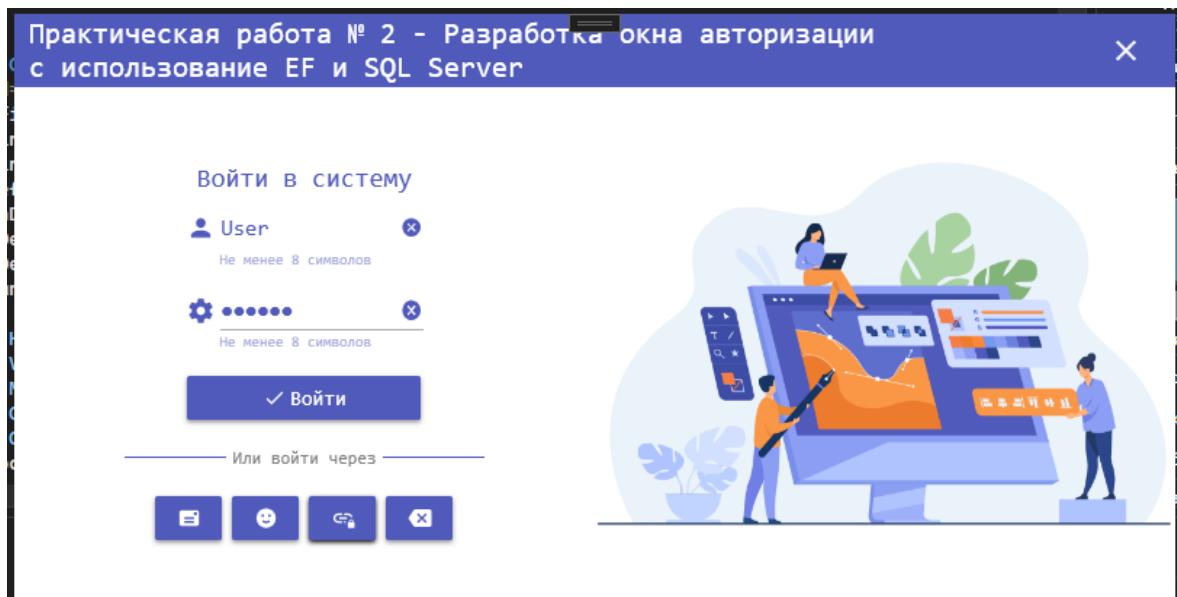
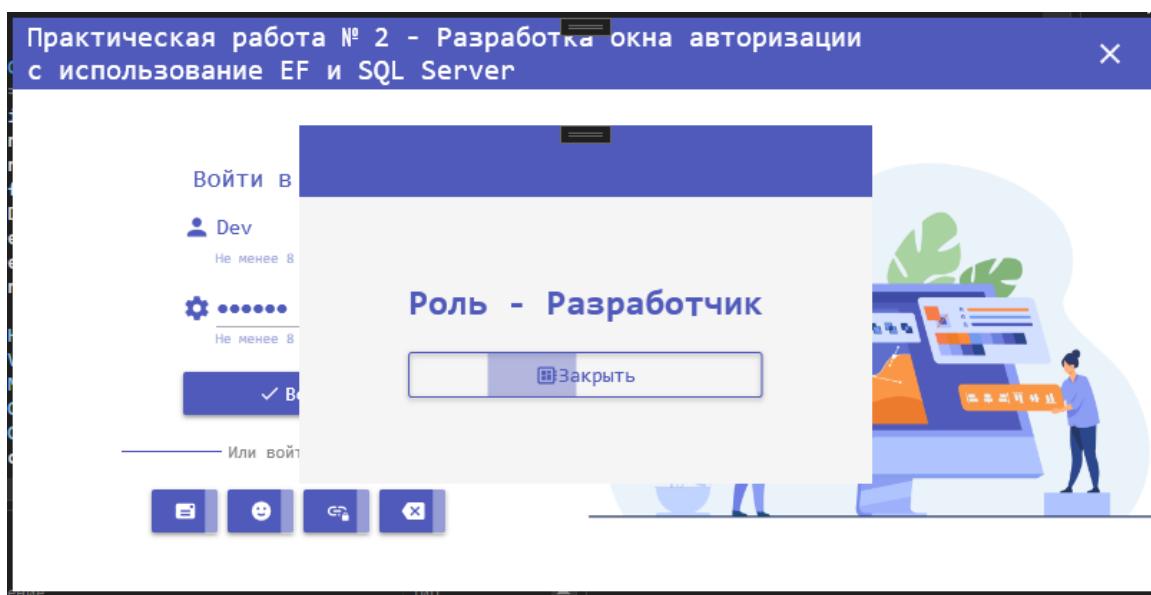
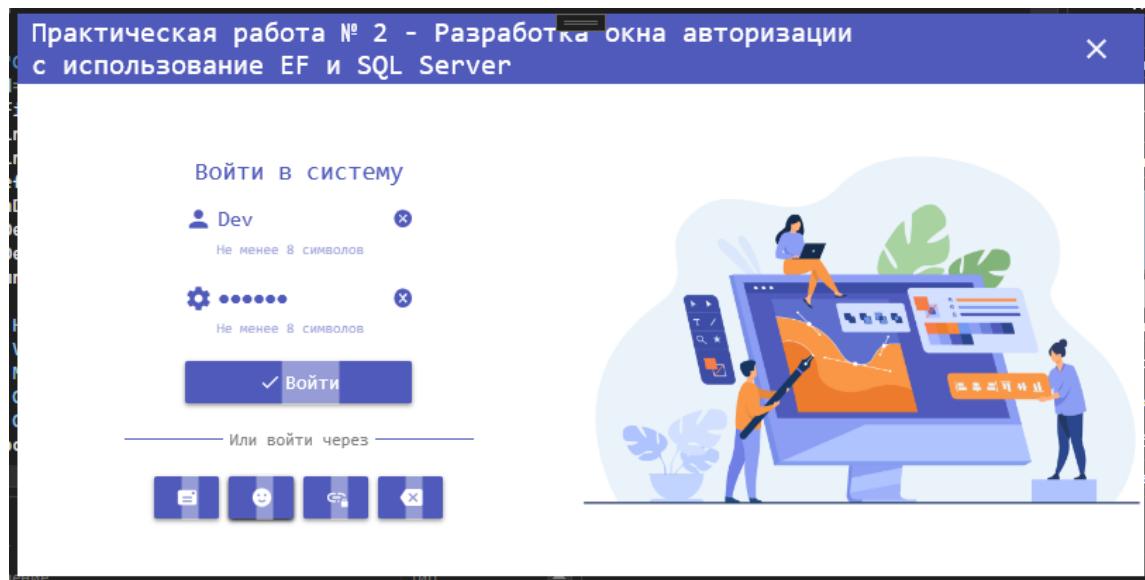


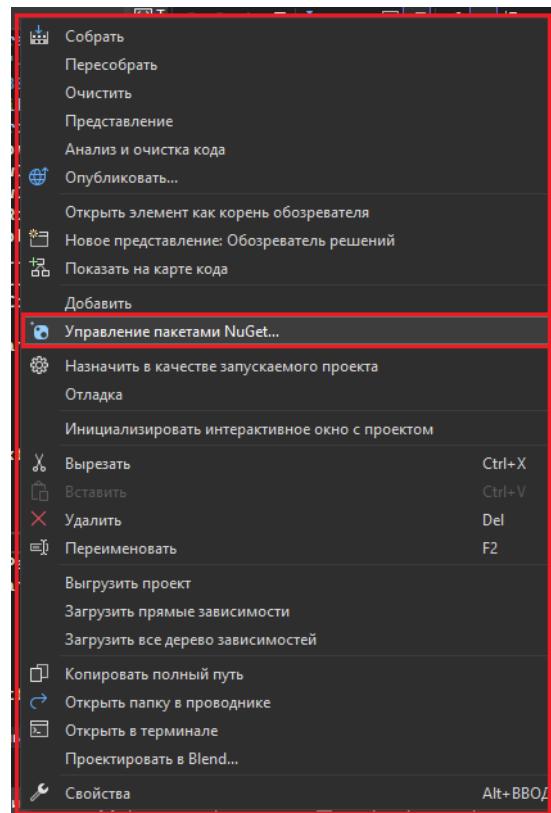
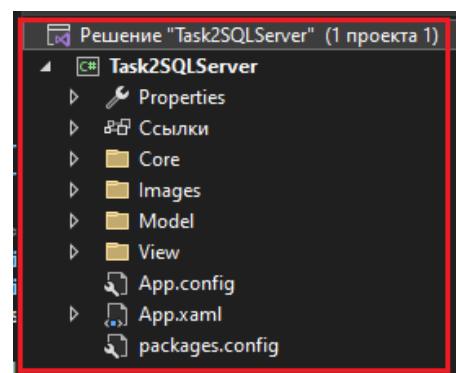
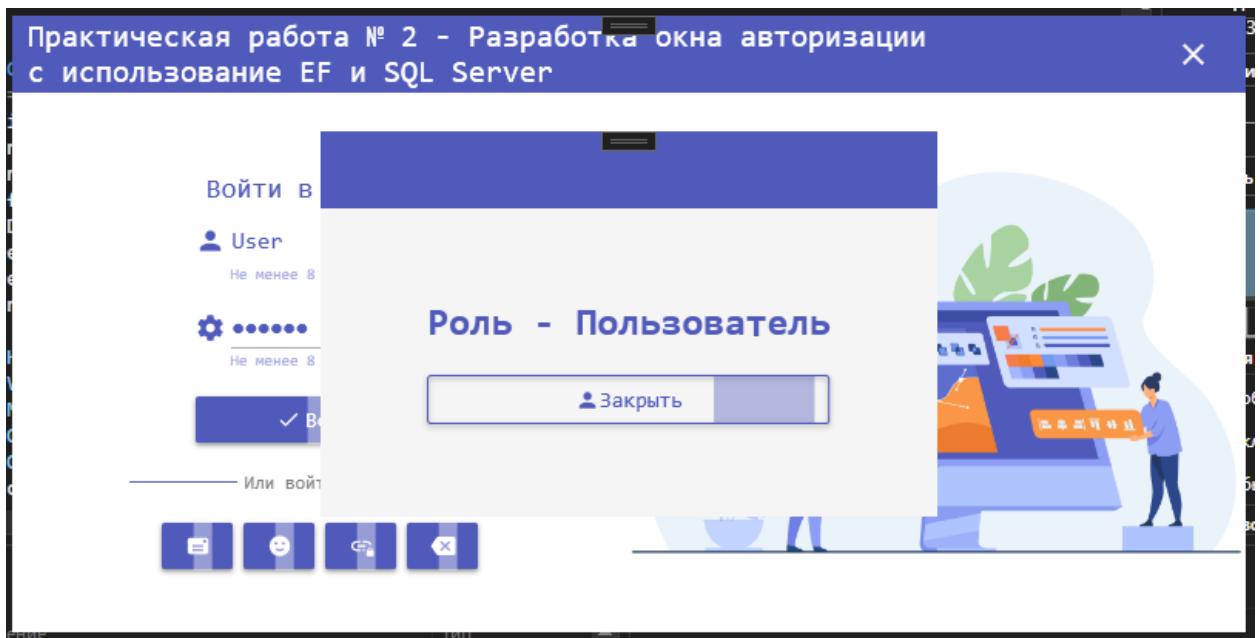
Практическая работа № 2 - Разработка окна авторизации с использование EF и SQL Server

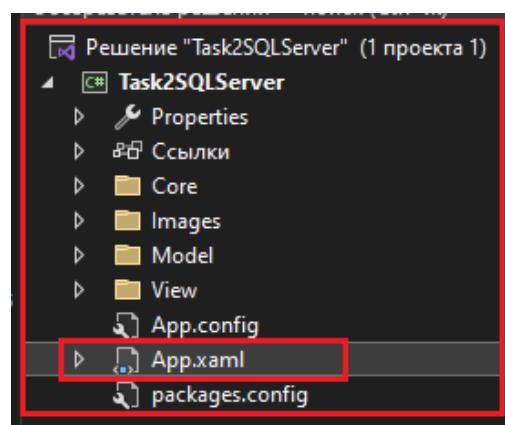
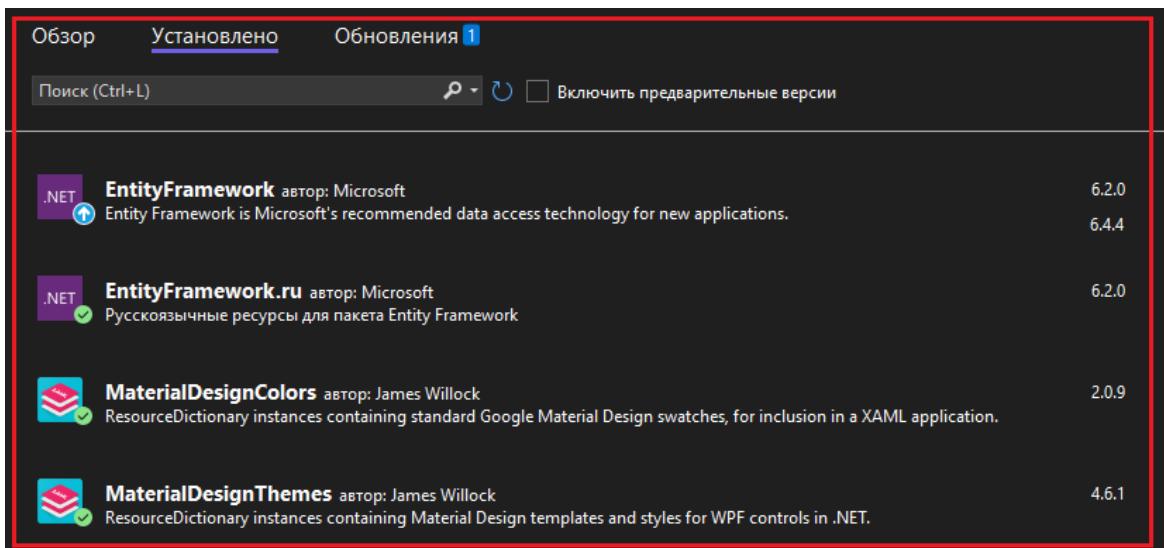


Практическая работа № 2 - Разработка окна авторизации с использование EF и SQL Server







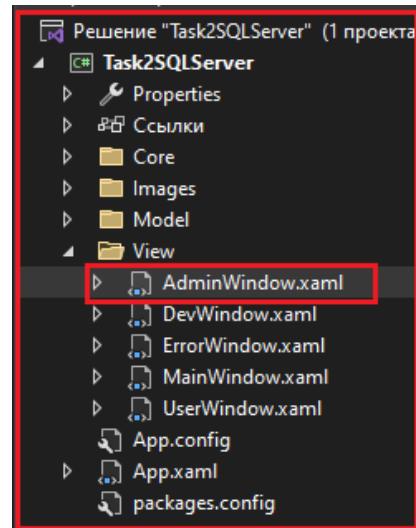


```

<Application x:Class="Task2SQLServer.App"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:local="clr-namespace:Task2SQLServer"
             xmlns:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
             StartupUri="View/MainWindow.xaml">

  <Application.Resources>
    <ResourceDictionary>
      <ResourceDictionary.MergedDictionaries>
        <materialDesign:BundledTheme BaseTheme="Light" PrimaryColor="{x:Null}" SecondaryColor="Lime" />
        <ResourceDictionary Source="pack://application:,,,/MaterialDesignThemes.Wpf;component/Themes/MaterialDesignTheme.Defaults.xaml" />
      </ResourceDictionary.MergedDictionaries>
    </ResourceDictionary>
  </Application.Resources>
</Application>

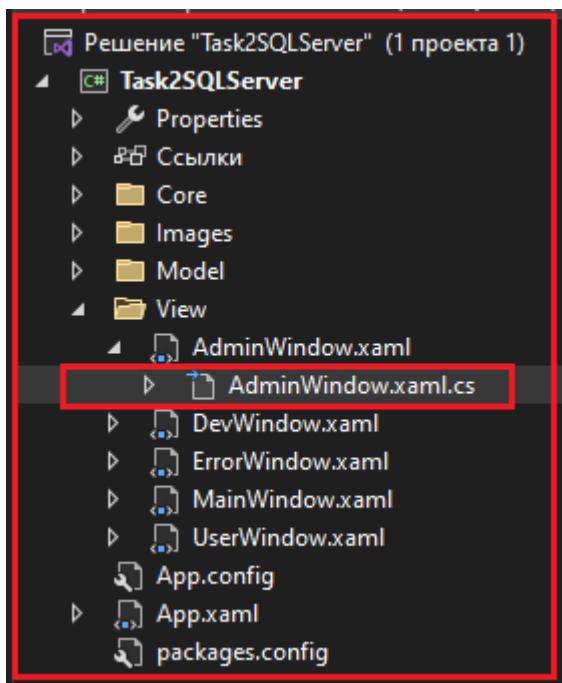
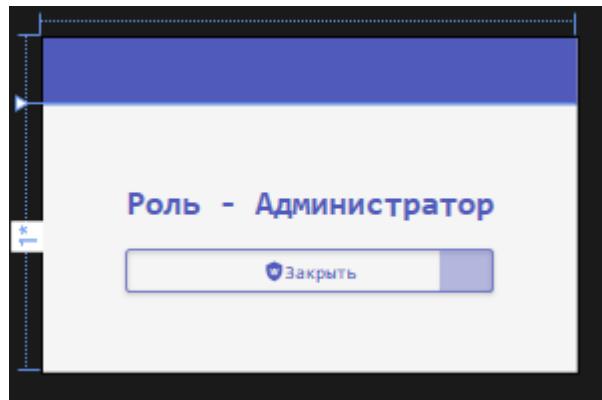
```



```
<Window x:Class="Task2SQLServer.View.AdminWindow"
    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:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
    xmlns:local="clr-namespace:Task2SQLServer.View"
    mc:Ignorable="d"
    WindowStyle="None"
    WindowStartupLocation="CenterScreen"
    ResizeMode="NoResize"
    Background="Transparent"
    AllowsTransparency="True"
    Height="250"
    Width="400"
    FontFamily="Consolas">
    <Grid Background="#F5F5F5">
        <Grid.RowDefinitions>
            <RowDefinition Height="50"/>
            <RowDefinition Height="*" />
        </Grid.RowDefinitions>
        <StackPanel Grid.Row="0"
            Background="#505ABB"/>
        <StackPanel Grid.Row="1"
            HorizontalAlignment="Center"
            VerticalAlignment="Center">
            <TextBlock Text="Роль – Администратор"
                Foreground="#505ABB"
                FontSize="25"
                FontWeight="UltraBlack"/>
        </StackPanel>
    </Grid>

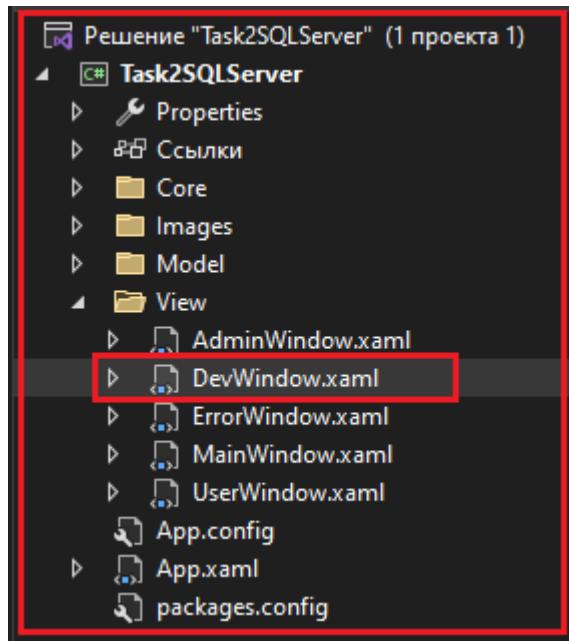
```

```
<Button Margin="0 20 0 0"
    Background="Transparent"
    Foreground="#505ABB"
    BorderBrush="#505ABB"
    x:Name="BtnClose"
    Click="BtnClose_Click"
    Style="{StaticResource MaterialDesignRaisedButton}"
    materialDesign:ButtonProgressAssist.IndicatorForeground="#505ABB"
    materialDesign:ButtonProgressAssist.IndicatorBackground="Transparent"
    materialDesign:ButtonProgressAssist.Value="-1"
    materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
    materialDesign:ButtonProgressAssist.IsIndeterminate="True">
    <StackPanel Orientation="Horizontal">
        <materialDesign:PackIcon Kind="Administrator"/>
        <TextBlock Text="Закрыть"/>
    </StackPanel>
</Button>
</StackPanel>
</Grid>
```



```
namespace Task2SQLServer.View
{
    Ссылок: 3
    public partial class AdminWindow : Window
    {
        Ссылок: 1
        public AdminWindow()
        {
            InitializeComponent();
        }

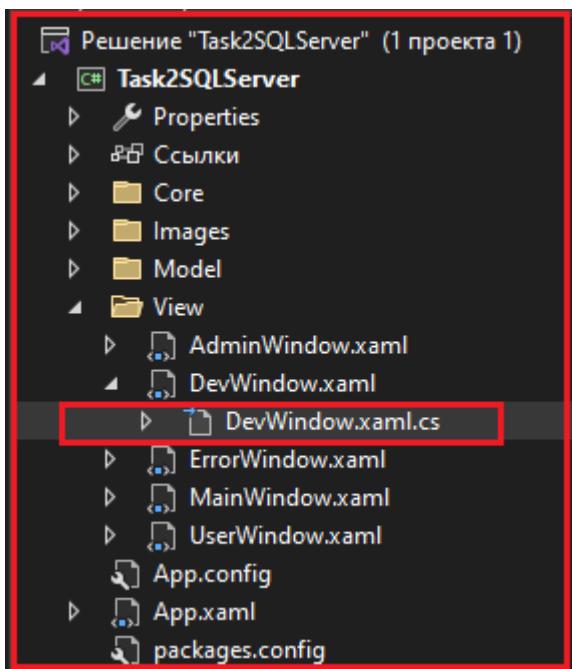
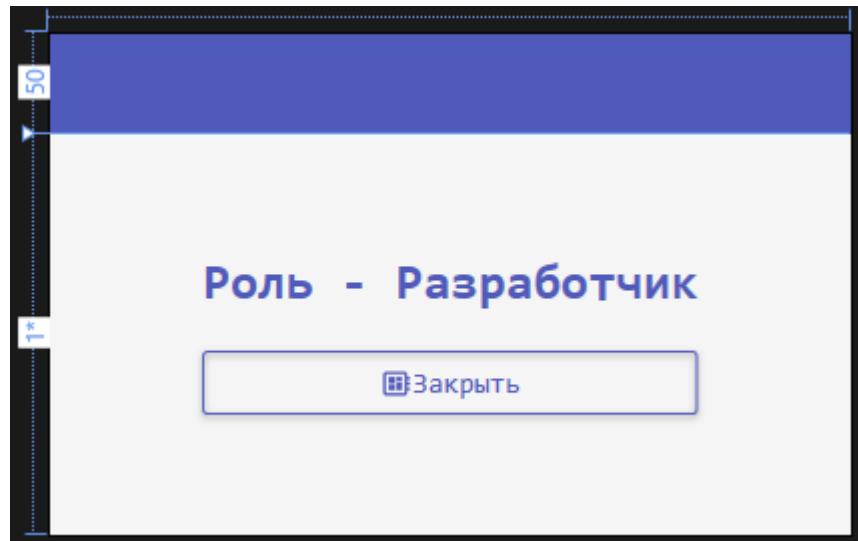
        Ссылок: 1
        private void BtnClose_Click(object sender, RoutedEventArgs e)
        {
            Close();
        }
    }
}
```



```
<Window x:Class="Task2SQLServer.View.DevWindow"
    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:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
    xmlns:local="clr-namespace:Task2SQLServer.View"
    mc:Ignorable="d"
    WindowStyle="None"
    WindowStartupLocation="CenterScreen"
    ResizeMode="NoResize"
    Background="#Transparent"
    AllowsTransparency="True"
    Height="250"
    Width="400"
    FontFamily="Consolas">
<Grid Background="#F5F5F5">
    <Grid.RowDefinitions>
        <RowDefinition Height="50"/>
        <RowDefinition Height="*"/>
    </Grid.RowDefinitions>
    <StackPanel Grid.Row="0"
                Background="#505ABB">
    <StackPanel Grid.Row="1"
                HorizontalAlignment="Center"
                VerticalAlignment="Center">
        <TextBlock Text="Роль – Разработчик"
                  Foreground="#505ABB"
                  FontSize="25"
                  FontWeight="UltraBlack"/>
    </StackPanel>
</StackPanel>
</Grid>

```

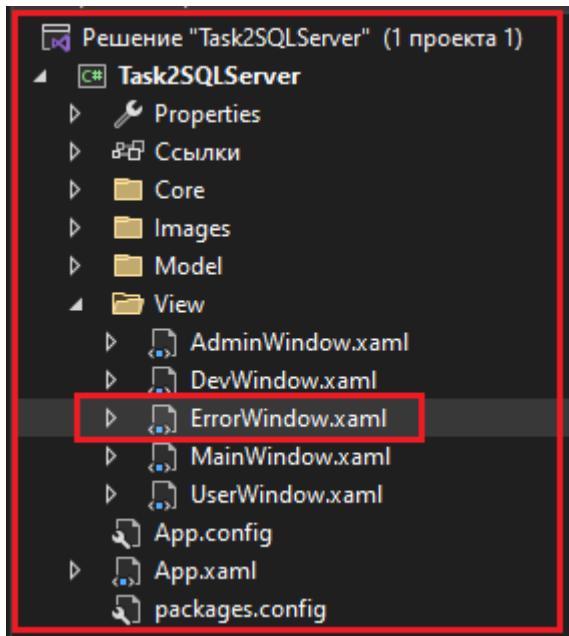
```
<Button Margin="0 20 0 0"
    Background="#Transparent"
    Foreground="#505ABB"
    BorderBrush="#505ABB"
    x:Name="BtnClose"
    Click="BtnClose_Click"
    Style="{StaticResource MaterialDesignRaisedButton}"
    materialDesign:ButtonProgressAssist.IndicatorForeground="#505ABB"
    materialDesign:ButtonProgressAssist.IndicatorBackground="#Transparent"
    materialDesign:ButtonProgressAssist.Value="-1"
    materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
    materialDesign:ButtonProgressAssist.IsIndeterminate="True">
    <StackPanel Orientation="Horizontal">
        <materialDesign:PackIcon Kind="DeveloperBoard"/>
        <TextBlock Text="Закрыть"/>
    </StackPanel>
</Button>
</StackPanel>
```



```
using System.Windows;

namespace Task2SQLServer.View
{
    public partial class DevWindow : Window
    {
        public DevWindow()
        {
            InitializeComponent();
        }

        private void BtnClose_Click(object sender, RoutedEventArgs e)
        {
            Close();
        }
    }
}
```



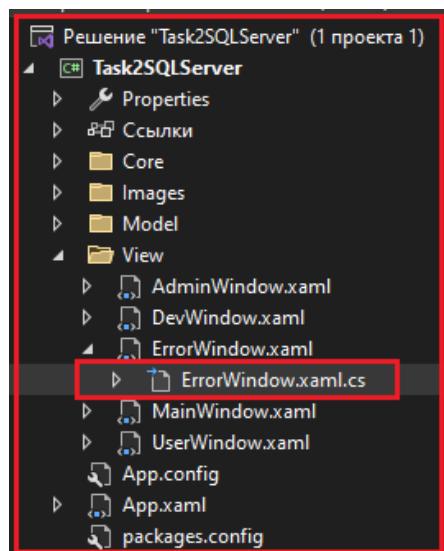
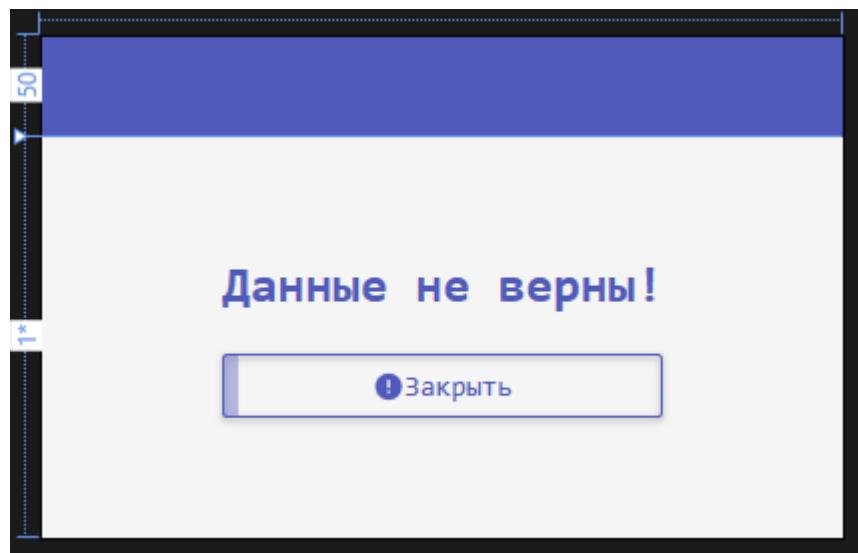
```
<Window x:Class="Task2SQLServer.View.ErrorWindow"
        xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
        xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
        xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
        xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
        xmlns:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
        xmlns:local="clr-namespace:Task2SQLServer.View"
        mc:Ignorable="d"
        WindowStyle="None"
        WindowStartupLocation="CenterScreen"
        ResizeMode="NoResize"
        Background="#F5F5F5"
        AllowsTransparency="True"
        Height="250"
        Width="400"
        FontFamily="Consolas">
    <Grid Background="#F5F5F5">
        <Grid.RowDefinitions>
            <RowDefinition Height="50"/>
            <RowDefinition Height="*"/>
        </Grid.RowDefinitions>
        <StackPanel Grid.Row="0"
                    Background="#505ABB">
            <Text>Error Window</Text>
        </StackPanel>
        <StackPanel Grid.Row="1"
                    Background="White">
            <Text>Content Area</Text>
        </StackPanel>
    </Grid>

```

```

<StackPanel Grid.Row="1"
            HorizontalAlignment="Center"
            VerticalAlignment="Center">
    <TextBlock Text="Данные не верны!"
               Foreground="#505ABB"
               FontSize="25"
               FontWeight="UltraBlack"
               TextAlignment="Center"/>
    <Button Margin="0 20 0 0"
            Background="Transparent"
            Foreground="#505ABB"
            BorderBrush="#505ABB"
            x:Name="BtnClose"
            Click="BtnClose_Click"
            Style="{StaticResource MaterialDesignRaisedButton}"
            materialDesign:ButtonProgressAssist.IndicatorForeground="#505ABB"
            materialDesign:ButtonProgressAssist.IndicatorBackground="Transparent"
            materialDesign:ButtonProgressAssist.Value="-1"
            materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
            materialDesign:ButtonProgressAssist.IsIndeterminate="True">
        <StackPanel Orientation="Horizontal">
            <materialDesign:PackIcon Kind="Error"/>
            <TextBlock Text="Закрыть"/>
        </StackPanel>
    </Button>
</StackPanel>

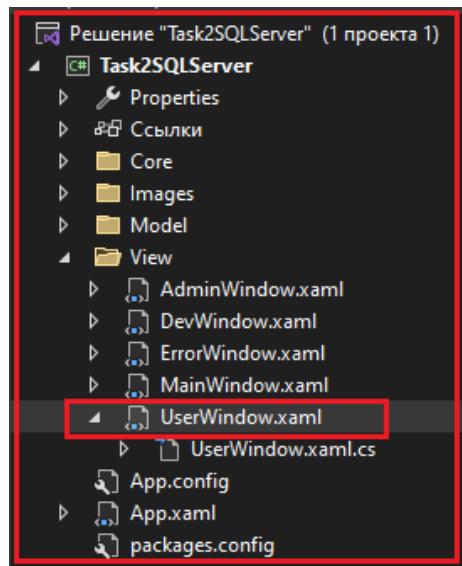
```



```
using System.Windows;

namespace Task2SQLServer.View
{
    public partial class ErrorWindow : Window
    {
        public ErrorWindow()
        {
            InitializeComponent();
        }

        private void BtnClose_Click(object sender, RoutedEventArgs e)
        {
            Close();
        }
    }
}
```



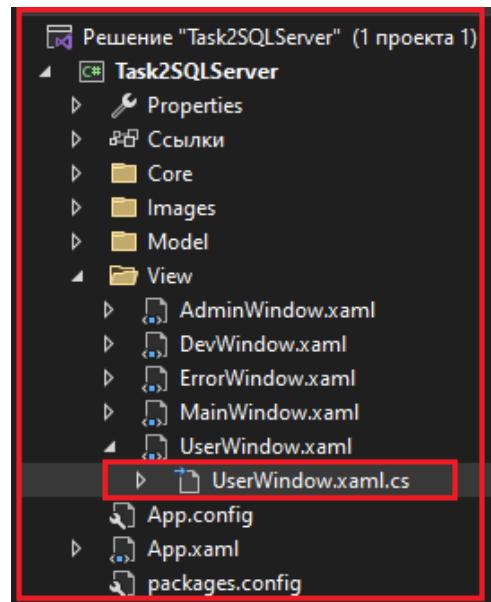
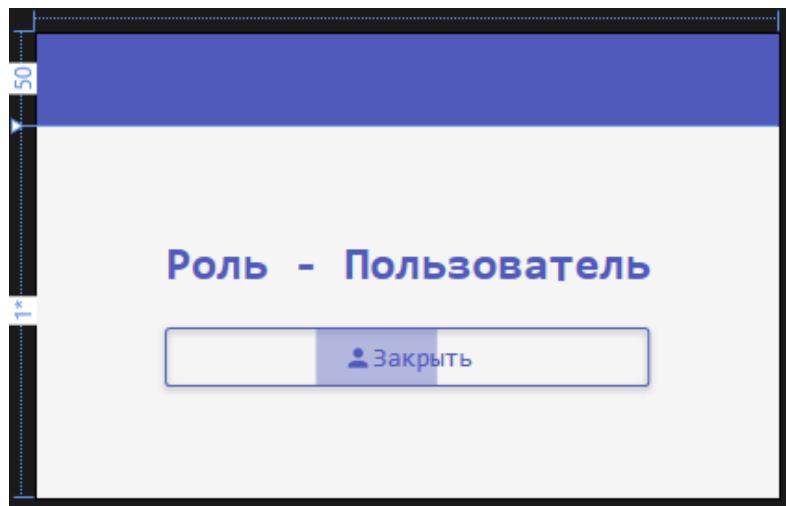
```
<Window x:Class="Task2SQLServer.View.UserWindow"
       xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
       xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
       xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
       xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
       xmlns:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
       xmlns:local="clr-namespace:Task2SQLServer.View"
       mc:Ignorable="d"
       WindowStyle="None"
       WindowStartupLocation="CenterScreen"
       ResizeMode="NoResize"
       Background="#F5F5F5"
       AllowsTransparency="True"
       Height="250"
       Width="400"
       FontFamily="Consolas">
    <Grid Background="#F5F5F5">
        <Grid.RowDefinitions>
            <RowDefinition Height="50"/>
            <RowDefinition Height="*"/>
        </Grid.RowDefinitions>
        <StackPanel Grid.Row="0"
                   Background="#505ABB"/>
        <StackPanel Grid.Row="1"
                   Background="#F5F5F5"/>
    </Grid>

```

```

<StackPanel Grid.Row="1"
            HorizontalAlignment="Center"
            VerticalAlignment="Center">
    <TextBlock Text="Роль - Пользователь"
               Foreground="#505ABB"
               FontSize="25"
               FontWeight="UltraBlack"
               TextAlignment="Center"/>
    <Button Margin="0 20 0 0"
            Background="Transparent"
            Foreground="#505ABB"
            BorderBrush="#505ABB"
            x:Name="BtnClose"
            Click="BtnClose_Click"
            Style="{StaticResource MaterialDesignRaisedButton}"
            materialDesign:ButtonProgressAssist.IndicatorForeground="#505ABB"
            materialDesign:ButtonProgressAssist.IndicatorBackground="Transparent"
            materialDesign:ButtonProgressAssist.Value="-1"
            materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
            materialDesign:ButtonProgressAssist.IsIndeterminate="True">
        <StackPanel Orientation="Horizontal">
            <materialDesign:PackIcon Kind="User"/>
            <TextBlock Text="Закрыть"/>
        </StackPanel>
    </Button>
</StackPanel>
</Grid>

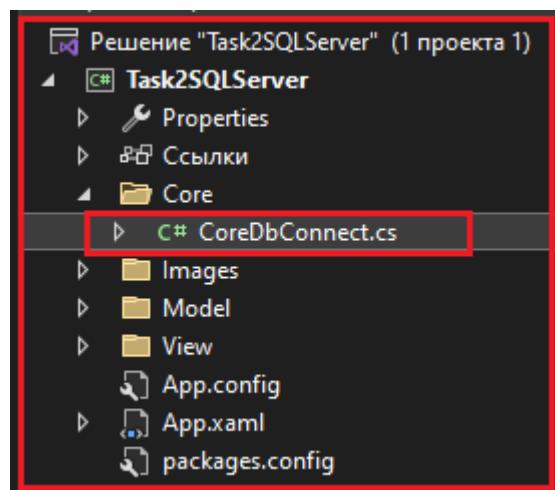
```



```
using System.Windows;

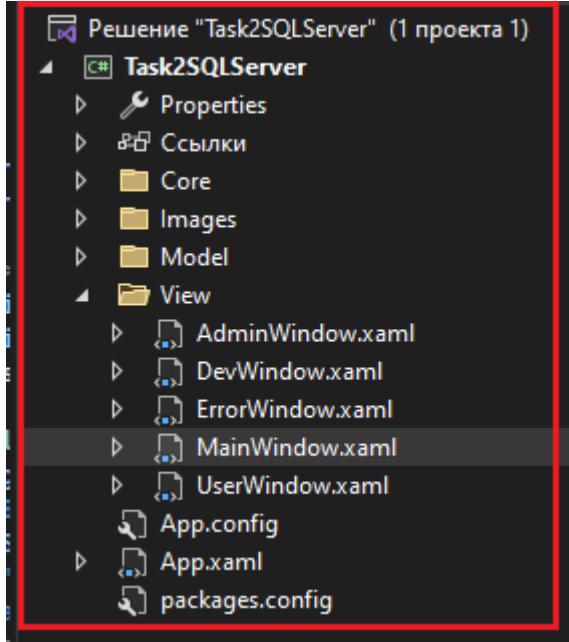
namespace Task2SQLServer.View
{
    Ссылка: 3
    public partial class UserWindow : Window
    {
        Ссылка: 1
        public UserWindow()
        {
            InitializeComponent();
        }

        Ссылка: 1
        private void BtnClose_Click(object sender, RoutedEventArgs e)
        {
            Close();
        }
    }
}
```



```
using Task2SQLServer.Model;

namespace Task2SQLServer.Core
{
    Ссылка: 2
    public static class CoreDbConnect
    {
        Ссылка: 2
        public static TaskTwoDBEntities DB { get; set; }
    }
}
```



```
<Window x:Class="Task2SQLServer.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:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
        xmlns:local="clr-namespace:Task2SQLServer"
        mc:Ignorable="d"
        WindowStyle="None"
        WindowStartupLocation="CenterScreen"
        ResizeMode="NoResize"
        Background="#505ABB"
        AllowsTransparency="True"
        Height="400"
        Width="800"
        FontFamily="Consolas">
    <Grid Background="#505ABB">
        <Grid.RowDefinitions>
            <RowDefinition Height="50"/>
            <RowDefinition Height="*" />
        </Grid.RowDefinitions>
        <Grid.ColumnDefinitions>
            <ColumnDefinition Width="*"/>
            <ColumnDefinition Width="*"/>
        </Grid.ColumnDefinitions>
```

```
<StackPanel HorizontalAlignment="Left"
           VerticalAlignment="Center"
           Margin="10 0 0 0"
           Grid.ColumnSpan="2"
           Grid.Row="0">
    <TextBlock Text="Практическая работа № 2 – Разработка окна авторизации с использованием EF и SQL Server"
               FontSize="20"
               Width="600"
               Foreground="White"
               TextWrapping="Wrap"/>
</StackPanel>
<StackPanel HorizontalAlignment="Right"
           VerticalAlignment="Center"
           Margin="0 0 10 0"
           Grid.Column="1"
           Grid.Row="0">
    <Button Content="{materialDesign:PackIcon Kind=Close}"
            Foreground="White"
            x:Name="BtnClose"
            Click="BtnClose_Click"
            Style="{StaticResource MaterialDesignIconButton}"/>
</StackPanel>
```

```
<StackPanel Background="White"
            Grid.Column="1"
            Grid.Row="1"/>
<Image Source="/Images/main_bg.png"
       Grid.Column="1"
       Grid.Row="1"/>

<StackPanel Background="White"
            Grid.Column="0"
            Grid.Row="1"/>
<StackPanel Grid.Column="0"
            Grid.Row="1"
            Margin="0 0 0 70"
            HorizontalAlignment="Center"
            VerticalAlignment="Center">

    <TextBlock Text="Войти в систему"
               TextAlignment="Center"
               FontSize="18"
               Foreground="{Binding ElementName=TbLogin, Path=Foreground}"/>
    <StackPanel Orientation="Horizontal"
                Margin="0 10 0 0">
        <materialDesign:PackIcon Kind="Person"
                                 Margin="0 3 3 0"
                                 Width="20"
                                 Height="20"
                                 Foreground="{Binding ElementName=TbLogin, Path=Foreground}"/>
    
```

```
<TextBox Width="140"
        FontSize="15"
        x:Name="TbLogin"
        Foreground="#505ABB"
        materialDesign:TextFieldAssist.UnderlineBrush="#505ABB"
        materialDesign:HintAssist.Hint="Введите логин"
        materialDesign:TextFieldAssist.HasClearButton="True"
        materialDesign:HintAssist.HelperText="Не менее 8 символов"/>
</StackPanel>

<StackPanel Orientation="Horizontal"
            Margin="0 30 0 0">
    <materialDesign:PackIcon Kind="Settings"
                             Margin="0 3 3 0"
                             Width="20"
                             Height="20"
                             Foreground="{Binding ElementName=TbLogin, Path=Foreground}"/>
    <PasswordBox Width="140"
                  FontSize="15"
                  x:Name="PbPassword"
                  Foreground="#505ABB"
                  materialDesign:TextFieldAssist.UnderlineBrush="#505ABB"
                  materialDesign:HintAssist.Hint="Введите пароль"
                  materialDesign:TextFieldAssist.HasClearButton="True"
                  materialDesign:HintAssist.HelperText="Не менее 8 символов"/>
</StackPanel>
```

```
<StackPanel Margin="0 30 0 0">
    <Button Background="#505ABB"
        x:Name="BtnLogin"
        Click="BtnLogin_Click"
        Style="{StaticResource MaterialDesignRaisedButton}"
        materialDesign:ButtonProgressAssist.IndicatorForeground="White"
        materialDesign:ButtonProgressAssist.Value="-1"
        materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
        materialDesign:ButtonProgressAssist.IsIndeterminate="True">
        <StackPanel Orientation="Horizontal">
            <materialDesign:PackIcon Kind="Check"
                Margin="0 0 3 0"
                Foreground="White"/>
            <TextBlock Text="Войти"
                Foreground="White"/>
        </StackPanel>
    </Button>
</StackPanel>

<StackPanel Grid.Column="0"
    Grid.Row="1"
    Margin="0 0 0 90"
    HorizontalAlignment="Center"
    VerticalAlignment="Bottom">
    <StackPanel Orientation="Horizontal">
        <Separator Background="#505ABB"
            Height="5"
            Width="70"/>
        <TextBlock Text="Или войти через"
            Margin="5 0 5 0"
            Foreground="Gray"/>
        <Separator Background="#505ABB"
            Height="5"
            Width="70"/>
    </StackPanel>

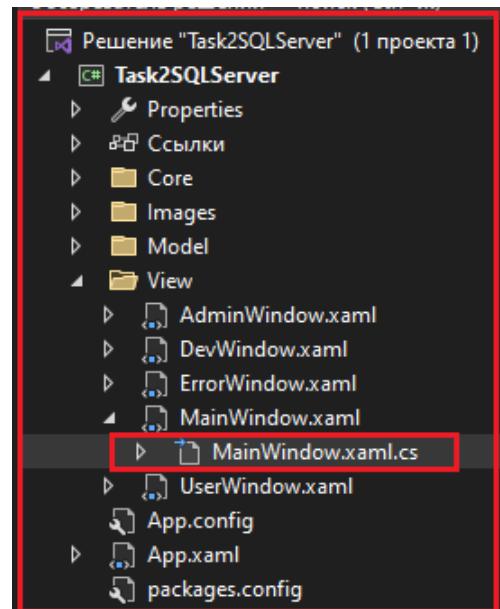
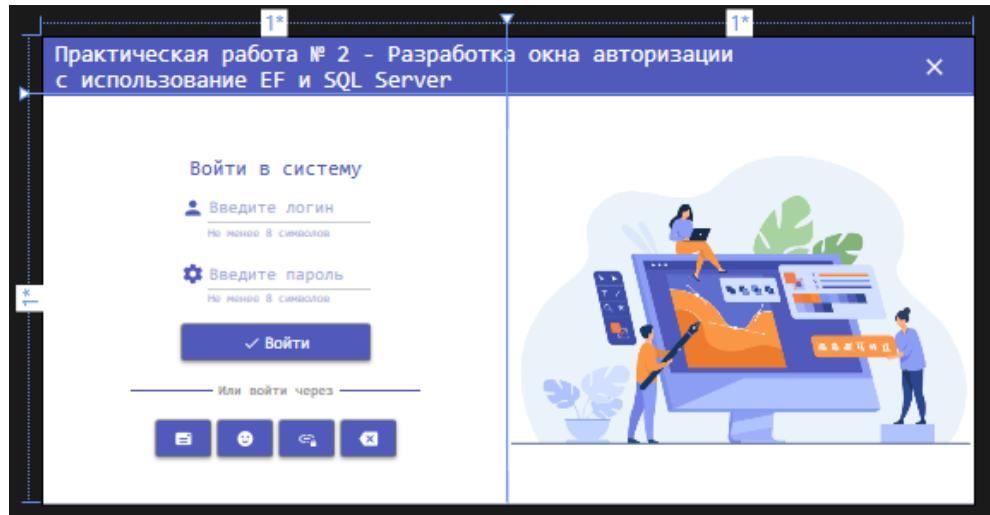
```

```
</StackPanel>

<StackPanel Orientation="Horizontal"
    Margin="0 0 0 40"
    Grid.Column="0"
    Grid.Row="1"
    HorizontalAlignment="Center"
    VerticalAlignment="Bottom">
    <Button Margin="0 0 5 0"
        Background="#505ABB"
        Foreground="White"
        x:Name="BtnAdminInfo"
        Click="BtnAdminInfo_Click"
        Style="{StaticResource MaterialDesignRaisedButton}"
        materialDesign:ButtonProgressAssist.IndicatorForeground="White"
        materialDesign:ButtonProgressAssist.Value="-1"
        materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
        materialDesign:ButtonProgressAssist.IsIndeterminate="True"
        Content="{materialDesign:PackIcon Kind=Mail}"/>
    <Button Margin="0 0 5 0"
        Content="{materialDesign:PackIcon Kind=EmojiHappy}"
        Background="#505ABB"
        Foreground="White"
        x:Name="BtnDevInfo"
        Click="BtnDevInfo_Click"
        Style="{StaticResource MaterialDesignRaisedButton}"
        materialDesign:ButtonProgressAssist.IndicatorForeground="White"
        materialDesign:ButtonProgressAssist.Value="-1"
        materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
        materialDesign:ButtonProgressAssist.IsIndeterminate="True"/>

```

```
<Button Content="{materialDesign:PackIcon Kind=BlockChain}"  
       Background="#505ABB"  
       Foreground="White"  
       x:Name="BtnUserInfo"  
       Click="BtnUserInfo_Click"  
       Style="{StaticResource MaterialDesignRaisedButton}"  
       materialDesign:ButtonProgressAssist.IndicatorForeground="White"  
       materialDesign:ButtonProgressAssist.Value="-1"  
       materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"  
       materialDesign:ButtonProgressAssist.IsIndeterminate="True"/>  
  
<Button Content="{materialDesign:PackIcon Kind=Clear}"  
       Background="#505ABB"  
       Margin="5 0 0 0"  
       Foreground="White"  
       x:Name="BtnClear"  
       Click="BtnClear_Click"  
       Style="{StaticResource MaterialDesignRaisedButton}"  
       materialDesign:ButtonProgressAssist.IndicatorForeground="White"  
       materialDesign:ButtonProgressAssist.Value="-1"  
       materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"  
       materialDesign:ButtonProgressAssist.IsIndeterminate="True"/>  
</StackPanel>
```



```
using System;
using System.Linq;
using System.Windows;
using Task2SQLServer.Core;
using Task2SQLServer.Model;
using Task2SQLServer.View;

namespace Task2SQLServer
{
    public partial class MainWindow : Window
    {
        public MainWindow()
        {
            InitializeComponent();
            CoreDbConnect.DB = new TaskTwoDBEntities();
        }

        private void BtnLogin_Click(object sender, RoutedEventArgs e)
        {
            try
            {
                User userModel = CoreDbConnect.DB.Users.FirstOrDefault(u => u.Login == TbLogin.Text && u.Password == PbPassword.Password);
            }
        }
    }
}
```

```
if (userModel != null)
{
    switch (userModel.RoleID)
    {
        case 1:
            new AdminWindow().ShowDialog();
            break;
        case 2:
            new DevWindow().ShowDialog();
            break;
        case 3:
            new UserWindow().ShowDialog();
            break;
    }
}
else
{
    new ErrorWindow().ShowDialog();
}
}
catch (Exception)
{
    new ErrorWindow().ShowDialog();
}
```

```
Ссылок: 1
private void BtnAdminInfo_Click(object sender, RoutedEventArgs e)
{
    TbLogin.Text = "Admin";
    PbPassword.Password = "adm!N";
}

Ссылок: 1
private void BtnDevInfo_Click(object sender, RoutedEventArgs e)
{
    TbLogin.Text = "Dev";
    PbPassword.Password = "D3v!][";

}

Ссылок: 1
private void BtnUserInfo_Click(object sender, RoutedEventArgs e)
{
    TbLogin.Text = "User";
    PbPassword.Password = "1qw~12";
}

Ссылок: 1
private void BtnClose_Click(object sender, RoutedEventArgs e)
{
    Application.Current.Shutdown();
}
```

```
Ссылок: 1
private void BtnClear_Click(object sender, RoutedEventArgs e)
{
    TbLogin.Text = string.Empty;
    PbPassword.Password = string.Empty;
}
```