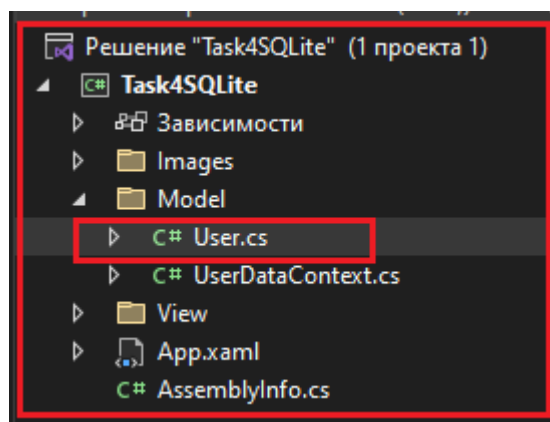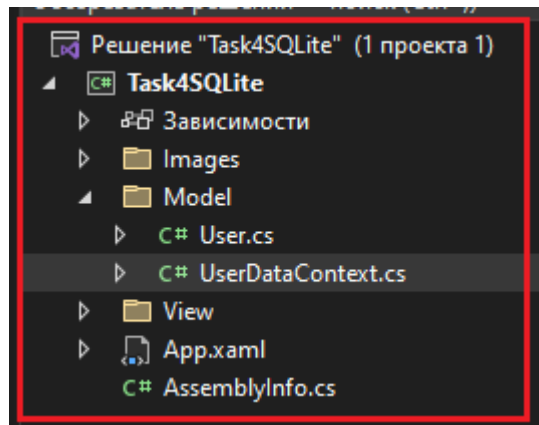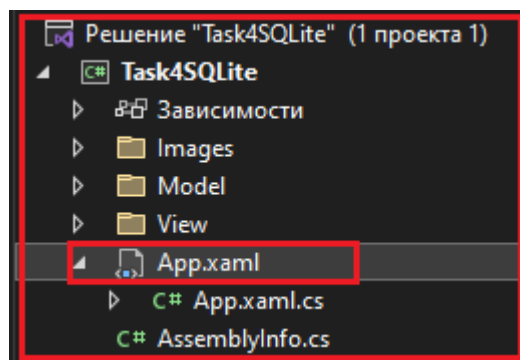|	Собрать	
	Пересобрать	
	Очистить	
	Представление	
	Анализ и очистка кода	
	Опубликовать...	
	Открыть элемент как корень обозревателя	
	Новое представление: Обозреватель решений	
	Показать на карте кода	
	Добавить	
	Управление пакетами NuGet...	
	Назначить в качестве запускаемого проекта	
	Отладка	
	Инициализировать интерактивное окно с проектом	
	Вырезать	Ctrl+X
	Вставить	Ctrl+V
	Удалить	Del
	Переименовать	F2
	Выгрузить проект	
	Загрузить прямые зависимости	
	Загрузить все дерево зависимостей	
	Копировать полный путь	
	Открыть папку в проводнике	
	Открыть в терминале	
	Проектировать в Blend...	
	Свойства	Alt+ВВОД

MaterialDesignColors автор: James Willock
ResourceDictionary instances containing standard Google Material Design swatches, for inclusion in a XAML application.   2.0.9

MaterialDesignThemes автор: James Willock
ResourceDictionary instances containing Material Design templates and styles for WPF controls in .NET.   4.6.1

Microsoft.Data.Sqlite.Core автор: Microsoft
Microsoft.Data.Sqlite is a lightweight ADO.NET provider for SQLite. This package does not include a copy of the native SQLite library.   7.0.0
7.0.1

Microsoft.EntityFrameworkCore.Sqlite автор: Microsoft
SQLite database provider for Entity Framework Core.   7.0.0

Решение "Task4SQLite" (1 проекта 1)
- Task4SQLite
  - Зависимости
  - Images
  - Model
    - User.cs
    - UserDataContext.cs
  - View
  - App.xaml
  - AssemblyInfo.cs

```csharp
public class User
{
    [Key]
    public int UserID { get; set; }

    public string Login { get; set; }

    public string UID { get; set; }
}
```
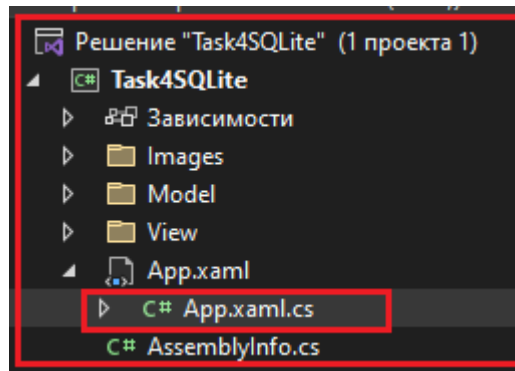
```
Решение "Task4SQLite" (1 проекта 1)
C# Task4SQLite
    ▷ 品 Зависимости
    ▷ 📁 Images
    ▲ 📁 Model
        ▷ C# User.cs
        ▷ C# UserDataContext.cs
    ▷ 📁 View
    ▷ 📄 App.xaml
        C# AssemblyInfo.cs
```

```csharp
public class UserDataContext : DbContext
{
    public DbSet<User> Users { get; set; }
    Ссылок: 0
    protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
    {
        optionsBuilder.UseSqlite("Data Source = Task4.db");
    }
}
```

```
Решение "Task4SQLite" (1 проекта 1)
C# Task4SQLite
    ▷ 品 Зависимости
    ▷ 📁 Images
    ▷ 📁 Model
    ▷ 📁 View
    ▲ 📄 App.xaml
        ▷ C# App.xaml.cs
        C# AssemblyInfo.cs
```

```xml
<Application x:Class="Task4SQLite.App"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:local="clr-namespace:Task4SQLite"
             xmlns:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
             StartupUri="View/MainWindow.xaml">
    <Application.Resources>
        <ResourceDictionary>
            <ResourceDictionary.MergedDictionaries>
                <materialDesign:BundledTheme BaseTheme="Light" PrimaryColor="Orange" SecondaryColor="Lime" />
                <ResourceDictionary Source="pack://application:,,,/MaterialDesignThemes.Wpf;component/Themes/MaterialDesignTheme.Defaults.xaml" />
            </ResourceDictionary.MergedDictionaries>
        </ResourceDictionary>
    </Application.Resources>
</Application>
```
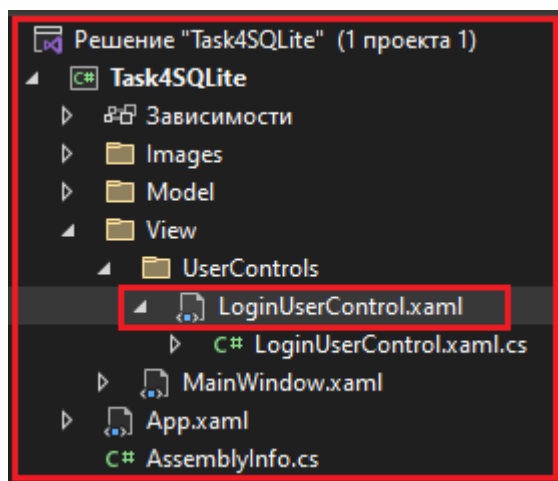


```csharp
Ссылок: 3
public partial class App : Application
{
    Ссылок: 0
    protected override void OnStartup(StartupEventArgs e)
    {
        DatabaseFacade facade = new DatabaseFacade(new UserDataContext());
        facade.EnsureCreated();
    }
}
```

```xml
<UserControl x:Class="Task4SQLite.View.UserControls.LoginUserControl"
             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:materialDesign="http://materialdesigninxaml.net/winfx/xaml/themes"
             xmlns:local="clr-namespace:Task4SQLite.View.UserControls"
             mc:Ignorable="d"
             d:DesignHeight="450"
             d:DesignWidth="700"
             FontFamily="Comic Sans MS">
    <Grid>
        <Border HorizontalAlignment="Center"
                VerticalAlignment="Center"
                Height="300"
                Width="300"
                CornerRadius="25"
                Background="White"
                Padding="10"
                BorderBrush="#C25300"
                BorderThickness="2"
                Effect="{StaticResource MaterialDesignElevationShadow12}">
            <Grid>
                <Grid.RowDefinitions>
                    <RowDefinition Height="80"/>
                    <RowDefinition Height="*"/>
                </Grid.RowDefinitions>
                <Border Grid.Row="0"
                        HorizontalAlignment="Center"
                        VerticalAlignment="Center"
                        Effect="{StaticResource MaterialDesignElevationShadow24}">
                    <Border.Style>
```

```xml
                    <Border.Style>
                        <Style TargetType="Border">
                            <Style.Triggers>
                                <Trigger Property="IsMouseOver" Value="True">
                                    <Setter Property="BorderBrush" Value="#C25300" />
                                    <Setter Property="BorderThickness" Value="2" />
                                    <Setter Property="CornerRadius" Value="25" />
                                    <Setter Property="Cursor" Value="Hand" />
                                </Trigger>
                            </Style.Triggers>
                        </Style>
                    </Border.Style>
                    <materialDesign:PackIcon Kind="Bus"
                                             Width="65"
                                             Height="65"
                                             Foreground="#C25300"/>
                </Border>
                <StackPanel Grid.Row="1"
                            HorizontalAlignment="Center">
                    <TextBlock Text="Войти в систему"
                               HorizontalAlignment="Center"
                               Foreground="#C25300"
                               FontWeight="Light"
                               Effect="{StaticResource MaterialDesignElevationShadow16}"
                               FontSize="25">
                        <TextBlock.Style>
                            <Style TargetType="TextBlock">
                                <Style.Triggers>
                                    <Trigger Property="IsMouseOver" Value="True">
                                        <Setter Property="TextDecorations" Value="Underline" />
                                        <Setter Property="Cursor" Value="Hand" />
                                    </Trigger>
                                </Style.Triggers>
                            </Style>
                        </TextBlock.Style>
                    </TextBlock>
```

```xml
<StackPanel Orientation="Horizontal"
            Margin="0 10 0 0">
    <materialDesign:PackIcon Kind="Idea"
                             Width="25"
                             Height="25"
                             Margin="0 3 3 0 "
                             Foreground="{Binding ElementName=TbLogin, Path=Foreground}"/>
    <TextBox Width="178"
             x:Name="TbLogin"
             FontSize="15"
             Foreground="#C25300"
             materialDesign:HintAssist.Hint="Введите логин"
             materialDesign:TextFieldAssist.UnderlineBrush="#C25300"
             materialDesign:TextFieldAssist.HasClearButton="True"/>
</StackPanel>

<StackPanel Orientation="Horizontal"
            Margin="0 10 0 0">
    <materialDesign:PackIcon Kind="Thunder"
                             Width="25"
                             Height="25"
                             Margin="0 3 3 0 "
                             Foreground="{Binding ElementName=TbLogin, Path=Foreground}"/>
    <PasswordBox Width="178"
                 x:Name="PbUid"
                 FontSize="15"
                 Foreground="#C25300"
                 materialDesign:HintAssist.Hint="Введите UID"
                 materialDesign:TextFieldAssist.UnderlineBrush="#C25300"
                 materialDesign:TextFieldAssist.HasClearButton="True"/>
</StackPanel>
```
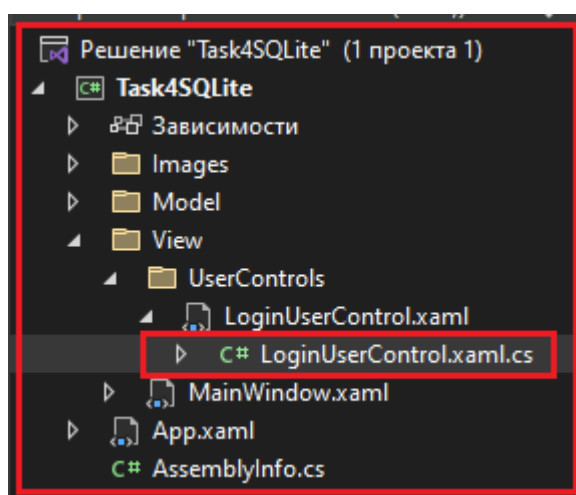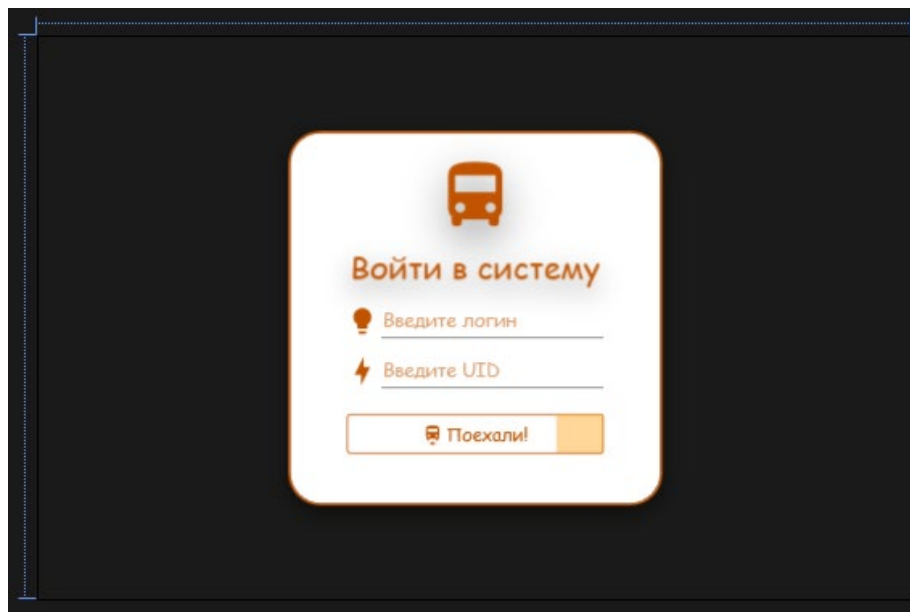
```xml
<Button Margin="0 20 0 0"
        x:Name="BtnLogin"
        Click="BtnLogin_Click"
        Background="Transparent"
        BorderBrush="#C25300"
        Style="{StaticResource MaterialDesignOutlinedButton}"
        materialDesign:ButtonProgressAssist.Value="-1"
        materialDesign:ButtonProgressAssist.IsIndicatorVisible="True"
        materialDesign:ButtonProgressAssist.IsIndeterminate="True">
    <StackPanel Orientation="Horizontal">
        <materialDesign:PackIcon Kind="BusElectric"
                                 Margin="0 3 3 0"
                                 Foreground="{Binding ElementName=BtnLogin, Path=BorderBrush}"/>
        <TextBlock Text="Поехали!"
                   Foreground="{Binding ElementName=BtnLogin, Path=BorderBrush}"/>
    </StackPanel>
</Button>
            </StackPanel>
        </Grid>
    </Border>
</Grid>
```

```csharp
Ссылок: 0
public LoginUserControl()
{
    InitializeComponent();
}

Ссылок: 1
private void BtnLogin_Click(object sender, RoutedEventArgs e)
{

    try
    {
        var userName = TbLogin.Text;
        var uID = PbUid.Password;

        using (UserDataContext db = new UserDataContext())
        {
            bool userFound = db.Users.Any(u => u.Login == userName && u.UID == uID);

            if (userFound)
            {
                MessageBox.Show("Успешная авторизация",
                            "Системное сообщение",
                            MessageBoxButton.OK,
                            MessageBoxImage.Information);
            }
```
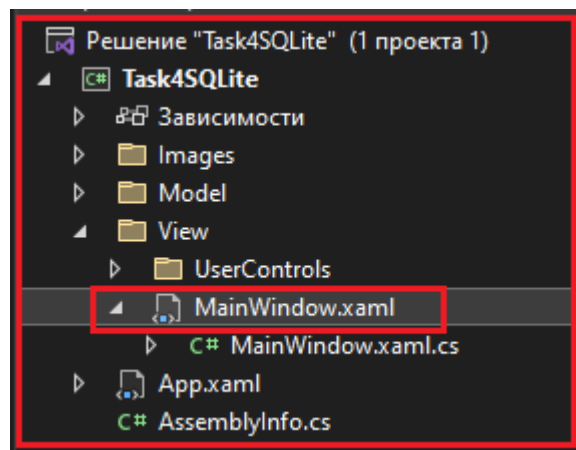
```csharp
                    else
                    {
                        MessageBox.Show("Ошибка данных",
                                         "Системное сообщение",
                                         MessageBoxButton.OK,
                                         MessageBoxImage.Error);
                    }
                }
            }
            catch (Exception ex)
            {
                MessageBox.Show(ex.Message.ToString(),
                                 "Системное сообщение",
                                 MessageBoxButton.OK,
                                 MessageBoxImage.Error);
            }
```
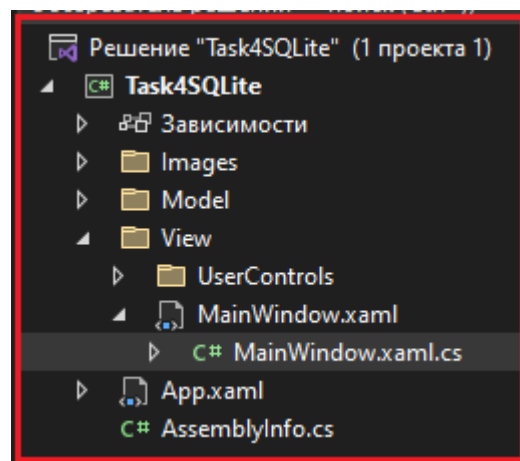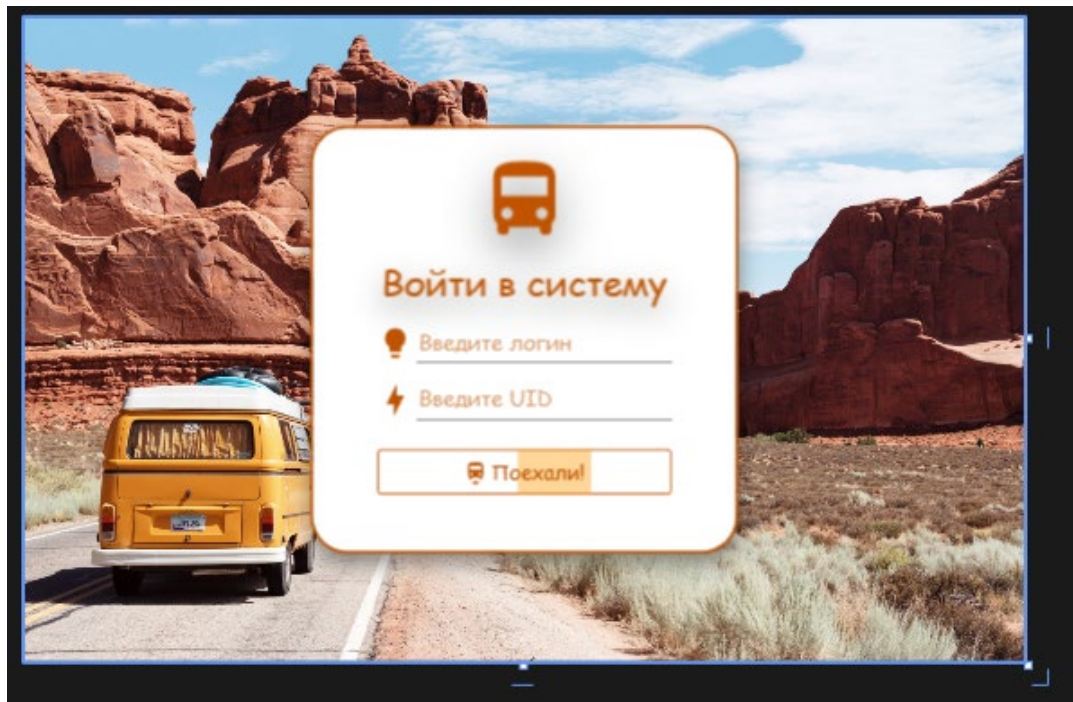
- Решение "Task4SQLite" (1 проекта 1)
  - C# **Task4SQLite**
    - ▷ 🗗 Зависимости
    - ▷ 📁 Images
    - ▷ 📁 Model
    - ▲ 📁 View
      - ▷ 📁 UserControls
      - ▲ 🗋 MainWindow.xaml
        - ▷ C# MainWindow.xaml.cs
    - ▷ 🗋 App.xaml
    - C# AssemblyInfo.cs

```xml
<Window xmlns:UserControls="clr-namespace:Task4SQLite.View.UserControls"
        x:Class="Task4SQLite.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"
        mc:Ignorable="d"
        WindowStyle="None"
        WindowStartupLocation="CenterScreen"
        Background="Transparent"
        AllowsTransparency="True"
        ResizeMode="NoResize"
        Height="450"
        Width="700"
        MouseDown="Window_MouseDown">
    <Grid>
        <Image Source="/Images/main_bg.jpg"
               Stretch="UniformToFill"/>
        <UserControls:LoginUserControl />
    </Grid>
</Window>
```

```csharp
Ссылок: 3
public partial class MainWindow : Window
{
    Ссылок: 0
    public MainWindow()
    {
        InitializeComponent();
    }

    Ссылок: 1
    private void Window_MouseDown(object sender, MouseButtonEventArgs e)
    {
        if (e.ClickCount == 2)
        {
            Application.Current.Shutdown();
        }
    }
}
```