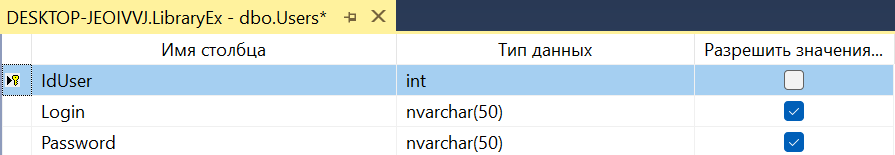
**Авторизация и регистрация пользователей**

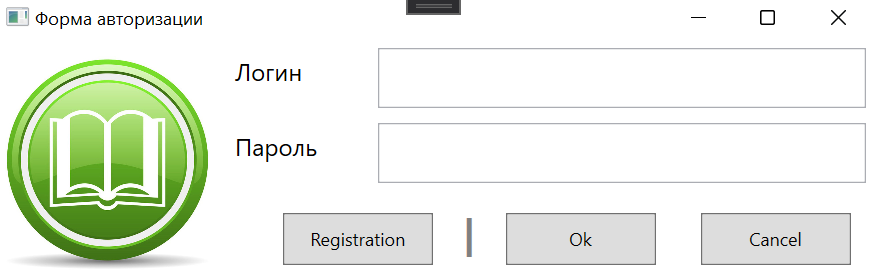
**Сервер**

Для хранения сведений о пользователях и идентифицирующих их данных используется сущность Users



**Клиент**

(реализовано через окна Window)



**XAML**

<Window x:Class="TestApp.AuthorizationWindow"

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:TestApp"

mc:Ignorable="d"

Title="Форма авторизации" Height="200" Width="600"

ResizeMode="NoResize"

WindowStartupLocation="CenterScreen">

<Grid x:Name="MainGrid">

<Grid.ColumnDefinitions>

<ColumnDefinition Width="150"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Image Source="/Pictures/Lib2.jpg" Grid.Column="0"/>

<StackPanel Grid.Column="1">

<Grid >

<Grid.ColumnDefinitions>

<ColumnDefinition Width="100"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<Grid.RowDefinitions>

<RowDefinition Height="50"/>

<RowDefinition Height="50"/>

<RowDefinition Height="\*"/>

</Grid.RowDefinitions>

<Label Content="Логин" Margin="5,5,0,0" FontSize="16" Grid.Column="0" Grid.Row="0"/>

<TextBox x:Name="LoginText" Margin="5,5,5,5" Grid.Column="1" Grid.Row="0" VerticalContentAlignment="Center" Padding="5,0,0,0"/>

<Label Content="Пароль" Margin="5,5,0,0" FontSize="16" Grid.Column="0" Grid.Row="1"/>

<TextBox x:Name="PasswordText" Margin="5,5,5,5" Grid.Column="1" Grid.Row="1" VerticalContentAlignment="Center"/>

<StackPanel Grid.Column="0" Grid.Row="3" Grid.ColumnSpan="2" Orientation="Horizontal" HorizontalAlignment="Right">

<Button x:Name="RegistrationButton" Content="Registration" Height="35" Width="100" Margin="15,15,15,0"

Click="RegistrationButton\_Click"/>

<Label Content="|" FontSize="26" FontWeight="Bold" VerticalContentAlignment="Bottom" Foreground="Gray"/>

<Button x:Name="AuthorizationCommit" Content="Ok" Height="35" Width="100" Margin="15,15,15,0"

Click="AuthorizationCommit\_Click"/>

<Button x:Name="AuthorizationRollBack" Content="Cancel" Height="35" Width="100" Margin="15,15,15,0"

Click="AuthorizationRollBack\_Click"/>

</StackPanel>

</Grid>

</StackPanel>

</Grid>

</Window>

**CS**



private Base.LibraryExEntities DataBase;

public AuthorizationWindow()

{

InitializeComponent();

try

{

DataBase = new Base.LibraryExEntities();

}

catch

{

MessageBox.Show("Не удалось подключиться к базе данных. Проверьте настройки подключения приложения.",

"Предупреждение", MessageBoxButton.OK, MessageBoxImage.Warning);

Close();

}

}

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

{

Base.Users User = DataBase.Users.SingleOrDefault(U => U.Login == LoginText.Text && U.Password == PasswordText.Text);

if (User != null) {

MainWindow window = new MainWindow();

window.Show();

Close();

}

else {

MessageBox.Show("Неверно указан логин и/или пароль!", "Предупреждение", MessageBoxButton.OK, MessageBoxImage.Warning);

};

}

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

{

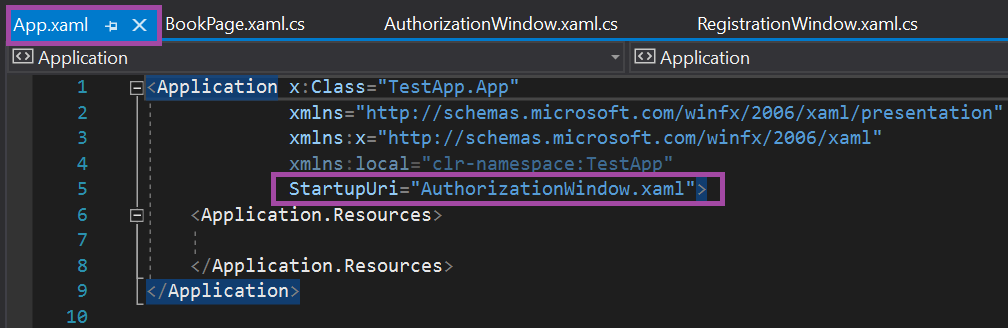
if (MessageBox.Show("Вы действительно хотите выйти из программы?", "Внимание", MessageBoxButton.OKCancel, MessageBoxImage.Warning) == MessageBoxResult.OK)

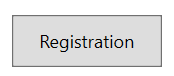
{

Close();

}

}





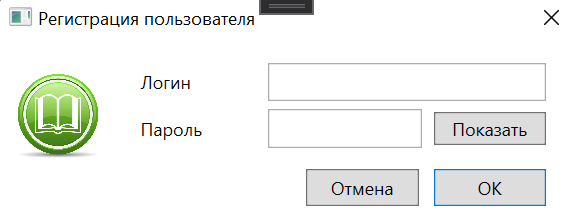
private void RegistrationButton\_Click(object sender, RoutedEventArgs e)

{

RegistrationWindow window = new RegistrationWindow(DataBase);

window.ShowDialog();

}



**XAML**

<Window x:Class="TestApp.RegistrationWindow"

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:TestApp"

mc:Ignorable="d"

Title="Регистрация пользователя" Height="160" Width="400"

ResizeMode="NoResize"

WindowStartupLocation="CenterScreen">

<Grid>

<DockPanel>

<StackPanel DockPanel.Dock="Left">

<Image DockPanel.Dock="Left" Width="60" Height="60"

Margin="10,20" Source="Pictures/Lib2.jpg"/>

</StackPanel>

<StackPanel Margin="10,15,20,0">

<DockPanel >

<Label Content="Логин" Width="90"/>

<TextBox x:Name="LoginTextBox" TabIndex="0"/>

</DockPanel>

<DockPanel Margin="0,5,0,0">

<Label Content="Пароль" Width="90"/>

<Button x:Name="PasswordButton" DockPanel.Dock="Right"

Content="Показать" Width="75" Margin="8,2,0,2" TabIndex="1"

Click="PasswordButton\_Click"/>

<TextBox x:Name="PasswordTextBox" Width="0" Visibility="Hidden"

TabIndex="1"/>

<PasswordBox x:Name="PasswordPasswordBox" TabIndex="2"/>

</DockPanel>

<DockPanel Height="25" Margin="0,14,0,0" LastChildFill="False" >

<Button x:Name="OkButton" Content="ОК" Width="75"

DockPanel.Dock="Right" TabIndex="3" IsDefault="True"

Click="OkButton\_Click"/>

<Button x:Name="CancelButton" Content="Отмена" Width="75"

DockPanel.Dock="Right" Margin="0,0,10,0" TabIndex="4"

IsCancel="True" Click="CancelButton\_Click"/>

</DockPanel>

</StackPanel>

</DockPanel>

</Grid>

</Window>

**CS**



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

{

// Переброска необходимой информации во временные буферы

String Password = PasswordPasswordBox.Password;

Visibility Visibility = PasswordPasswordBox.Visibility;

double Width = PasswordPasswordBox.ActualWidth;

// Изменение подписи на кнопке

PasswordButton.Content = Visibility == Visibility.Visible ? "Скрыть" : "Показать";

// Переброска информации из TextBox'а в PasswordBox

PasswordPasswordBox.Password = PasswordTextBox.Text;

PasswordPasswordBox.Visibility = PasswordTextBox.Visibility;

PasswordPasswordBox.Width = PasswordTextBox.Width;

// Возврат информации из временных буферов в TextBox

PasswordTextBox.Text = Password;

PasswordTextBox.Visibility = Visibility;

PasswordTextBox.Width = Width;

}



public partial class RegistrationWindow : Window

{

// Контекст бызы данных

private Base.LibraryExEntities Database;

public RegistrationWindow(Base.LibraryExEntities Database)

{

InitializeComponent();

this.Database = Database;

}

……

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

{

// Создание и инициализация нового пользователя системы

Base.Users User = new Base.Users();

User.Login = LoginTextBox.Text;

User.Password = PasswordPasswordBox.Password != "" ? PasswordPasswordBox.Password : PasswordTextBox.Text;

// Добавление его в базу данных

Database.Users.Add(User);

// Сохранение изменений

Database.SaveChanges();

Close();

}

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

{

Close();

}