Страница **Авторизации.**

Код с xaml:

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<TextBlock Text="Администрация рабочего поселка Им. Ст Разина" HorizontalAlignment="Center" VerticalAlignment="Center" FontSize="24" Grid.Row="1" Grid.ColumnSpan="5"/>

<TextBlock TextWrapping="Wrap" FontSize="14" Grid.Column="2" Grid.Row="3" Grid.ColumnSpan="3" Grid.RowSpan="5"><Run Text="Мы рады приветствовать Вас в официальной системе Администрации р.п. имени Степана Разина Лукояновского муниципального района Нижегородской области. Открытие нашей системы - это ещё один шаг навстречу к людям, шаг в ногу со временем к новым технологиям, к развитию коммуникаций. В системе вы найдёте достоверную информацию о работе органов местного самоуправления, сможете быть в курсе важных событий в жизни нашего муниципального образования."/><LineBreak/><Run/></TextBlock>

<PasswordBox Margin="2,2,2,2" x:Name="PasswordBox" Grid.Row="4" Grid.Column="1"/>

<Button x:Name="AuthButton" Content="Войти" Click="AuthButtonClick" Grid.Row="5" Grid.Column="1" Margin="2,2,2,2"/>

<Button Margin="2,2,2,2" x:Name="RegButton" Content="Пройти регистрацию" Click="RegButtonClick" Grid.Row="7" Grid.Column="1"/>

<TextBlock HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="8" Grid.ColumnSpan="5" FontSize="14"><Run/><LineBreak/><Run Text="р.п. Им. Ст. Разина, ул. Загрекова, д. 94"/><LineBreak/><Run Text=" +7 (831) 965 - 31 - 18"/></TextBlock>

<TextBlock x:Name="LoginTextBlock" Text="Логин" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="3"/>

<TextBlock x:Name="PasswordTextBlock" Text="Пароль" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="4"/>

<TextBlock x:Name="RegTextBlock" Text="Не зарегистрированны?" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Column="1" Grid.Row="6"/>

<Image HorizontalAlignment="Left" Grid.ColumnSpan="5" Source="Screenshot\_1.png" Stretch="Fill"/>

<ComboBox Margin="2,2,2,2" Name ="CbFilter" DisplayMemberPath="login" SelectionChanged="ComboBox\_SelectionChanged" Grid.Column="1" Grid.Row="3"/>

<Grid.Background>

<LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">

<GradientStop Color="LightBlue" Offset="0"/>

<GradientStop Color="LightGray" Offset="1"/>

</LinearGradientBrush>

</Grid.Background>

</Grid>

Код с cs:

public partial class AuthPage : Page

{

private readonly NavigationService Navigation;

private readonly DatabaseEntities Database;

public AuthPage(NavigationService navigation, DatabaseEntities database)

{

InitializeComponent();

Navigation = navigation;

Database = database;

CbFilter.ItemsSource = Database.Usings.ToList();

}

private void RegButtonClick(object sender, RoutedEventArgs e)

{

Navigation.Navigate(new RegPage(Navigation, Database));

}

private void AuthButtonClick(object sender, RoutedEventArgs e)

{

var user = CbFilter.SelectedItem as Using;

if (user == null)

{

MessageBox.Show("Выберите пользователя");

}

else if (Database.Usings.Where(u => u.login.Equals(user.login) && u.password.Equals(PasswordBox.Password)).Count() > 0)

{

Navigation.Navigate(new MainPage(Navigation, Database));

}

else

{

MessageBox.Show("Не удалось найти пользователя, проверьте введённые данные");

}

}

private void ComboBox\_SelectionChanged(object sender, SelectionChangedEventArgs e)

{

}

}

Страница **Регистрации**.

Код с xaml:

<Grid>

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</LinearGradientBrush>

</Grid.Background>

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<Grid.ColumnDefinitions>

<ColumnDefinition Width="\*"/>

<ColumnDefinition Width="\*"/>

<ColumnDefinition Width="\*"/>

</Grid.ColumnDefinitions>

<TextBlock x:Name="LoginTextBlock" Text="Имя (логин)" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="1"/>

<TextBlock x:Name="PasswordTextBlock" Text="Пароль" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="2"/>

<TextBox x:Name="LoginTextBox" Grid.Row="1" Grid.Column="1"/>

<PasswordBox x:Name="PasswordBox" Grid.Row="2" Grid.Column="1"/>

<Button x:Name="RegButton" Content="Зарегистрироваться" Grid.Row="3" Grid.Column="1" Click="RegButtonClick"/>

</Grid>

Код с cs:

public partial class RegPage : Page

{

private readonly NavigationService Navigation;

private readonly DatabaseEntities Database;

public RegPage(NavigationService navigation, DatabaseEntities database)

{

InitializeComponent();

Navigation = navigation;

Database = database;

}

private void RegButtonClick(object sender, RoutedEventArgs e)

{

var login1 = LoginTextBox.Text;

var password1 = PasswordBox.Password;

if (MainPage.IsNullOrEmpty(login1))

{

MessageBox.Show("Введите логин");

return;

}

if (MainPage.IsNullOrEmpty(password1))

{

MessageBox.Show("Введите пароль");

return;

}

Database.Usings.Add(new Using() { login = login1, password = password1 });

Database.SaveChanges();

Navigation.Navigate(new MainPage(Navigation, Database));

}

}

Страница **Меню.**

Код с xaml:

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<ColumnDefinition Width="\*"/>

</Grid.ColumnDefinitions>

<TextBlock Grid.Row="1" Text="Администрация рабочего поселка Им. Ст Разина" HorizontalAlignment="Center" VerticalAlignment="Center" FontSize="18" Grid.Column="0" Grid.ColumnSpan="3"/>

<TextBlock Grid.Row="7" FontSize="14" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Column="0" Grid.ColumnSpan="3"><Run/><LineBreak/><Run Text="р.п. Им. Ст. Разина, ул. Загрекова, д. 94"/><LineBreak/><Run Text=" "/><Run Text="+7 (831) 965 - 31 - 18"/></TextBlock>

<Image Source="Screenshot\_1.png" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="3" Stretch="Fill"/>

<Button x:Name="ApplicationsButton" Content="Заявки" Click="ApplicationsButtonClick" FontSize="18" Grid.Row="2" Margin="2,2,2,2" Grid.Column="1"/>

<Button x:Name="ClientsButton" Content="Клиенты" Click="ClientsButtonClick" FontSize="18" Grid.Row="3" Margin="2,2,2,2" Grid.Column="1"/>

<Button x:Name="SpecialistButton" Content="Специалисты" Click="SpecialistButtonClick" FontSize="18" Grid.Row="4" Margin="2,2,2,2" Grid.Column="1"/>

<Button x:Name="ProblemButton" Content="Цель обращения" Click="ProblemButtonClick" FontSize="18" Grid.Row="5" Margin="2,2,2,2" Grid.Column="1"/>

<Grid.Background>

<LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">

<GradientStop Color="LightBlue" Offset="0"/>

<GradientStop Color="LightGray" Offset="1"/>

</LinearGradientBrush>

</Grid.Background>

</Grid>

Код с cs:

public partial class MainPage : Page

{

private readonly NavigationService Navigation;

private readonly DatabaseEntities Database;

public MainPage(NavigationService navigation, DatabaseEntities database)

{

InitializeComponent();

Navigation = navigation;

Database = database;

}

private void ApplicationsButtonClick(object sender, RoutedEventArgs e)

{

Navigation.Navigate(new ApplicationsPage(Navigation, Database));

}

private void ClientsButtonClick(object sender, RoutedEventArgs e)

{

Navigation.Navigate(new ClientsPage(Navigation, Database));

}

private void SpecialistButtonClick(object sender, RoutedEventArgs e)

{

Navigation.Navigate(new SpecialistPage(Navigation, Database));

}

private void ProblemButtonClick(object sender, RoutedEventArgs e)

{

Navigation.Navigate(new The\_purpose\_of\_the\_appealPage(Navigation, Database));

}

private void OfficeButtonClick(object sender, RoutedEventArgs e)

{

}

public static bool IsNullOrEmpty(String s)

{

return s.Length <= 0 || String.IsNullOrEmpty(s) || String.IsNullOrWhiteSpace(s);

}

}

Страница **Заявки:**

Код с xaml:

<Grid>

<Grid.Background>

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</LinearGradientBrush>

</Grid.Background>

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<TextBlock Grid.Row="0" Text="Таблица Заявки" HorizontalAlignment="Left" VerticalAlignment="Center" FontSize="18" Margin="75,10,0,16"/>

<TextBox Grid.Row="0" Name="TbSearch" Width="275" HorizontalAlignment="Right" TextChanged="TbSearch\_TextChanged" Height="40" VerticalAlignment="Top" Margin="0,0,30,0"/>

<DataGrid x:Name="DataGrid" Grid.Row="1" AutoGenerateColumns="False" IsReadOnly="True">

<DataGrid.Columns>

<DataGridTextColumn Width="\*" Header="ФИО Клиента" Binding="{Binding Client1.fio}"/>

<DataGridTextColumn Width="\*" Header="ФИО Специалиста" Binding="{Binding Specialist1.fio}"/>

<DataGridTextColumn Width="\*" Header="Номер Кабинета" Binding="{Binding Specialist1.number\_office}"/>

<DataGridTextColumn Width="\*" Header="Цель обращениея" Binding="{Binding The\_purpose\_of\_the\_appeal.the\_purpose\_of\_the\_appeal1}"/>

<DataGridTextColumn Width="\*" Header="Дата" Binding="{Binding date, StringFormat=dd.MM.yyyy}"/>

<DataGridTemplateColumn>

<DataGridTemplateColumn.CellTemplate>

<DataTemplate>

<Button x:Name="EditButton" Content="Редактировать" Click="EditButtonClick"/>

</DataTemplate>

</DataGridTemplateColumn.CellTemplate>

</DataGridTemplateColumn>

</DataGrid.Columns>

</DataGrid>

<StackPanel Grid.Row="2">

<Button x:Name="AddButton" Content="Добавить" Click="AddButtonClick"/>

<Button x:Name="DeleteButton" Content="Удалить" Click="DeleteButtonClick"/>

</StackPanel>

</Grid>

Код с cs:

public partial class ApplicationsPage : Page

{

private readonly NavigationService Navigation;

private readonly DatabaseEntities Database;

public ApplicationsPage(NavigationService navigation, DatabaseEntities database)

{

InitializeComponent();

Navigation = navigation;

Database = database;

UpdateTable();

}

private void EditButtonClick(object sender, RoutedEventArgs e)

{

if (DataGrid.SelectedItem is Application currentApplication)

{

var page = new ApplicationsEditPage(Navigation, Database, currentApplication);

page.SaveButton.Click += UpdateTable;

Navigation.Navigate(page);

}

}

private void AddButtonClick(object sender, RoutedEventArgs e)

{

var page = new ApplicationsEditPage(Navigation, Database);

page.SaveButton.Click += UpdateTable;

Navigation.Navigate(page);

}

private void DeleteButtonClick(object sender, RoutedEventArgs e)

{

var toRemove = DataGrid.SelectedItems.Cast<Application>().ToList();

if (MessageBox.Show($"Вы точно хотите удалить {toRemove.Count()} записей?", "Удалить?", MessageBoxButton.YesNo) == MessageBoxResult.Yes)

{

Database.Applications.RemoveRange(toRemove);

Database.SaveChanges();

MessageBox.Show("Записи удалены");

UpdateTable();

}

}

private void UpdateTable(object sender, RoutedEventArgs e)

{

DataGrid.ItemsSource = Database.Applications.ToList();

}

private void UpdateTable()

{

DataGrid.ItemsSource = Database.Applications.ToList();

}

private void TbSearch\_TextChanged(object sender, TextChangedEventArgs e)

{

DataGrid.ItemsSource = Database.Applications

.Where(x => x.Client1.fio.ToLower().Contains(TbSearch.Text.ToLower())).ToList();

}

}

Страница **Добавить/Редактировать**:

Код с xaml:

<Grid>

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<RowDefinition Height="\*"/>

<RowDefinition Height="\*"/>

<RowDefinition Height="\*"/>

<RowDefinition Height="\*"/>

<RowDefinition Height="\*"/>

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<RowDefinition Height="4\*"/>

</Grid.RowDefinitions>

<Grid.ColumnDefinitions>

<ColumnDefinition Width="\*"/>

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</Grid.ColumnDefinitions>

<Grid.Background>

<LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">

<GradientStop Color="LightBlue" Offset="0"/>

<GradientStop Color="LightGray" Offset="1"/>

</LinearGradientBrush>

</Grid.Background>

<TextBlock Grid.Row="0" HorizontalAlignment="Left" VerticalAlignment="Center" FontSize="18" Margin="195,25,0,44" Grid.ColumnSpan="3" Width="410" Height="60"><Run/><LineBreak/><Run Text="Администрация рабочего поселка Им. Ст Разина"/></TextBlock>

<TextBlock Grid.Row="7" HorizontalAlignment="Left" VerticalAlignment="Center" FontSize="14" Margin="8,69,0,15" Width="240" RenderTransformOrigin="0.784,1.947" Height="45" Grid.Column="1"><Run Text="р.п. Им. Ст. Разина, ул. Загрекова, д. 94"/><LineBreak/><Run Text=" "/><Run Text="+7 (831) 965 - 31 - 18"/></TextBlock>

<TextBlock x:Name="Fio\_clientTextBlock" Text="ФИО Клиента" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="1"/>

<TextBlock x:Name="Fio\_specialistTextBlock" Text="ФИО Специалиста" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="2"/>

<TextBlock x:Name="Id\_the\_of\_the\_appealTextBlock" Text="Цель обращения" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="3"/>

<TextBlock x:Name="DateTextBlock" Text="Дата" HorizontalAlignment="Center" VerticalAlignment="Center" Grid.Row="4"/>

<Button x:Name="SaveButton" Content="Сохранить" Grid.Row="5" Grid.Column="1" Click="SaveButtonClick"/>

<ComboBox Grid.Column="1" Name ="CbFilter" SelectedItem="{Binding Client1}" DisplayMemberPath="fio" HorizontalAlignment="Center" Grid.Row="1" VerticalAlignment="Center" Width="266" RenderTransformOrigin="0.489,0.461" Height="37"/>

<ComboBox Grid.Column="1" Name ="CbFilter2" SelectedItem="{Binding Specialist1}" DisplayMemberPath="fio" HorizontalAlignment="Center" Grid.Row="2" VerticalAlignment="Center" Width="266" RenderTransformOrigin="0.489,0.461" Height="33"/>

<ComboBox Grid.Column="1" Name ="CbFilter3" SelectedItem="{Binding The\_purpose\_of\_the\_appeal}" DisplayMemberPath="the\_purpose\_of\_the\_appeal1" HorizontalAlignment="Center" Grid.Row="3" VerticalAlignment="Center" Width="266" RenderTransformOrigin="0.489,0.461" Height="32"/>

<DatePicker x:Name="DateDatePicker" SelectedDate="{Binding date}" Grid.Row="4" Grid.Column="1"/>

</Grid>

Код с cs:

public partial class ApplicationsEditPage : Page

{

private readonly NavigationService Navigation;

private readonly DatabaseEntities Database;

private readonly Application CurrentApplication;

private readonly bool ShouldAdd;

public ApplicationsEditPage(NavigationService navigation, DatabaseEntities database, Application currentApplication)

{

InitializeComponent();

Navigation = navigation;

Database = database;

CurrentApplication = currentApplication;

DataContext = CurrentApplication;

CbFilter.ItemsSource = Database.Clients.ToList();

CbFilter2.ItemsSource = Database.Specialists.ToList();

CbFilter3.ItemsSource = Database.The\_purpose\_of\_the\_appeal.ToList();

ShouldAdd = false;

}

public ApplicationsEditPage(NavigationService navigation, DatabaseEntities database) : this(navigation, database, new Application())

{

ShouldAdd = true;

}

private void SaveButtonClick(object sender, RoutedEventArgs e)

{

if (CbFilter.SelectedItem == null)

{

MessageBox.Show("Выберите клиента");

return;

}

if (CbFilter2.SelectedItem == null)

{

MessageBox.Show("Выберите специалиста");

return;

}

if (CbFilter3.SelectedItem == null)

{

MessageBox.Show("Выберите цель обращения");

return;

}

if (DateDatePicker.SelectedDate == null)

{

MessageBox.Show("Укажите дату");

return;

}

if (ShouldAdd)

{

Database.Applications.Add(CurrentApplication);

}

Database.SaveChanges();

Navigation.GoBack();

}

}

Кнопка **удалить**:

private void DeleteButtonClick(object sender, RoutedEventArgs e)

{

var toRemove = DataGrid.SelectedItems.Cast<Application>().ToList();

if (MessageBox.Show($"Вы точно хотите удалить {toRemove.Count()} записей?", "Удалить?", MessageBoxButton.YesNo) == MessageBoxResult.Yes)

{

Database.Applications.RemoveRange(toRemove);

Database.SaveChanges();

MessageBox.Show("Записи удалены");

UpdateTable();

}

}

Кнопка **сохранить**:

private void SaveButtonClick(object sender, RoutedEventArgs e)

{

if (CbFilter.SelectedItem == null)

{

MessageBox.Show("Выберите клиента");

return;

}

if (CbFilter2.SelectedItem == null)

{

MessageBox.Show("Выберите специалиста");

return;

}

if (CbFilter3.SelectedItem == null)

{

MessageBox.Show("Выберите цель обращения");

return;

}

if (DateDatePicker.SelectedDate == null)

{

MessageBox.Show("Укажите дату");

return;

}

if (ShouldAdd)

{

Database.Applications.Add(CurrentApplication);

}

Database.SaveChanges();

Navigation.GoBack();

}

**Поиск:**

private void UpdateTable(object sender, RoutedEventArgs e)

{

DataGrid.ItemsSource = Database.Applications.ToList();

}

Аналогичным образом сделаны остальные страницы.