









Приложение В. Листинг кода

Листинг 1 – MainWindow WPF

```
<Window x:Class="WpfApp6.MainWindow"</pre>
        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:WpfApp6"
        mc:Ignorable="d"
        Title="MainWindow" Height="1024" Width="1920">
    <Grid Background="#faebd7">
        <Border BorderBrush="Black" BorderThickness="1" HorizontalAlignment="Left"</pre>
Height="364" VerticalAlignment="Top" Width="280" Margin="10,46,0,0">
            <TreeView Margin="0,-39,-1,-1" Height="402" VerticalAlignment="Top">
                 <TreeView.Items>
                     <TreeViewItem FontSize="30" Header="Бронь мест">
                         <TreeViewItem.Items>
                             <TreeViewItem>
                                 <TreeViewItem.Header>
                                      <StackPanel>
                                          <Button Background="White" Content="09:00-12:00"</pre>
Click="Open1"></Button>
                                          <Button Background="White" Content="12:00-15:00"</pre>
Click="Open2"></Button>
                                          <Button Background="White" Content="15:00-18:00"</pre>
Click="Open3"></Button>
                                      </StackPanel>
                                 </TreeViewItem.Header>
                             </TreeViewItem>
                         </TreeViewItem.Items>
                     </TreeViewItem>
                     <TreeViewItem FontSize="30" Header="Mecta">
                         <TreeViewItem.Items>
                             <TreeViewItem>
                                 <TreeViewItem.Header>
                                     <StackPanel>
                                          <Button Background="White" Content="Общий зал"
Click="OpenM"></Button>
                                      </StackPanel>
                                 </TreeViewItem.Header>
                             </TreeViewItem>
                         </TreeViewItem.Items>
                     </TreeViewItem>
                     <TreeViewItem FontSize="30" Header="Отчеты">
                         <TreeViewItem.Items>
                             <TreeViewItem>
                                 <TreeViewItem.Header>
                                      <StackPanel>
                                          <Button Background="White" Content="09:00-12:00"</pre>
Click="Open4"></Button>
                                          <Button Background="White" Content="12:00-15:00"</pre>
Click="Open5"></Button>
                                          <Button Background="White" Content="15:00-18:00"</pre>
Click="Open6"></Button>
                                      </StackPanel>
                                 </TreeViewItem.Header>
```

Листинг 2 – MainWindow C#

```
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 WpfApp6
    /// <summary>
    /// Логика взаимодействия для MainWindow.xaml
    /// </summary>
    public partial class MainWindow : Window
        public MainWindow()
        {
            InitializeComponent();
        private void ComboBox SelectionChanged(object sender, SelectionChangedEventArgs
e)
        {
        private void Open1(object sender, RoutedEventArgs e)
            MainFrame.Navigate(new Page1());
        private void Open2(object sender, RoutedEventArgs e)
        {
            MainFrame.Navigate(new Page2());
        }
        private void Open3(object sender, RoutedEventArgs e)
            MainFrame.Navigate(new Page3());
        private void Open4(object sender, RoutedEventArgs e)
            MainFrame.Navigate(new Page5());
        }
        private void Open5(object sender, RoutedEventArgs e)
            MainFrame.Navigate(new Page6());
        private void Open6(object sender, RoutedEventArgs e)
            MainFrame.Navigate(new Page7());
        private void OpenM(object sender, RoutedEventArgs e)
```

Листинг 3 – Zakaz WPF

```
<Page x:Class="WpfApp6.Page1"</pre>
      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:WpfApp6"
      mc:Ignorable="d"
      d:DesignHeight="950" d:DesignWidth="1590"
      Title="Page1">
    <Grid>
        <Border Background="#e0e094" BorderBrush="Black" BorderThickness="1"</pre>
HorizontalAlignment="Left" Height="950" VerticalAlignment="Top" Width="1590">
            <TextBlock FontSize="60" Margin="101,129,-101,-129">Общий зал
09:00-12:00</TextBlock>
        </Border>
        <StackPanel Margin="100,318,224,100" Grid.Column="0" Grid.Row="0">
            <TextBlock Text="Mms" Margin="0 10 0 0" Height="50" FontSize="40"/>
            <TextBox x:Name="tbx_name" Height="50" FontSize="40"/>
            <TextBlock Text="Фамилия" Margin="0 10 0 0" Height="50" FontSize="40"/>
            <TextBox x:Name="tbx surname" Height="50" FontSize="40"/>
            <TextBlock Text="Телефон" Margin="0 10 0 0" Height="50" FontSize="40"/>
            <TextBox x:Name="tbx_phone" Height="50" FontSize="40"/>
            <TextBlock Text="Mecto" Margin="0 10 0 0" Height="50" FontSize="40"/>
            <ComboBox x:Name="cb_mesto" Height="50" FontSize="40">
                <ComboBoxItem Content="1"/>
                <ComboBoxItem Content="2"/>
                <ComboBoxItem Content="3"/>
                <ComboBoxItem Content="4"/>
                <ComboBoxItem Content="5"/>
            </ComboBox>
            <Button Padding="20 10" Width="800" Margin="10" Click="Button_Click_1"</pre>
Content="Забронировать"/>
        </StackPanel>
    </Grid>
</Page>
```

Листинг 4 – Zakaz C#

```
using System;
using System.Collections.Generic;
using System.Ling;
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 WpfApp6
    /// <summary>
    /// Логика взаимодействия для Page1.xaml
    /// </summary>
    public partial class Page1 : Page
        Entities3 entities;
        public Page1()
            InitializeComponent();
            entities = new Entities3();
        }
        private void Button_Click_1(object sender, RoutedEventArgs e)
            try
            {
                Otchet11 name1 = new Otchet11();
                name1.name = tbx_name.Text;
                name1.surname = tbx_surname.Text;
                name1.phone = tbx_phone.Text;
                name1.idMesta = int.Parse(cb_mesto.SelectedIndex.ToString()) + 1;
                name1.datetimeofzakaz = DateTime.Now;
                entities.Otchet11.Add(name1);
                Mesta mest = entities.Mesta.Where(x => x.id == cb_mesto.SelectedIndex +
1).FirstOrDefault();
                mest.C09 00 12 00 = 0;
                entities.SaveChanges();
                MessageBox.Show("Место забронировано");
            }
            catch (Exception)
                MessageBox.Show("Ошибка");
            }
```

}

Листинг 5 – Otchet WPF

```
<Page x:Class="WpfApp6.Page5"
      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:WpfApp6"
      mc:Ignorable="d"
      d:DesignHeight="950" d:DesignWidth="1590"
      Title="Page5">
    <Grid>
        <Border Background="white" BorderBrush="Black" BorderThickness="1"</pre>
HorizontalAlignment="Left" Height="950" VerticalAlignment="Top" Width="1590">
            <TextBlock FontSize="60">Заказы 09:00-12:00</TextBlock>
        </Border>
        <DataGrid x:Name="Dg otchet" Grid.Row="1" Margin="10,143,10,10"</pre>
AutoGenerateColumns="False">
            <DataGrid.Columns>
                 <DataGridTextColumn x:Name="id" Header="id" Binding="{Binding id}"</pre>
Width="100"/>
                <DataGridTextColumn x:Name="name" Header="name" Binding="{Binding name}"</pre>
Width="150"/>
                <DataGridTextColumn x:Name="surname" Header="surname" Binding="{Binding</pre>
surname}" Width="150"/>
                <DataGridTextColumn x:Name="phone" Header="phone" Binding="{Binding</pre>
phone}" Width="150"/>
                 <DataGridTextColumn x:Name="idMesta" Header="idMesta" Binding="{Binding</pre>
idMesta}" Width="150"/>
                <DataGridTextColumn x:Name="datetimeofzakaz" Header="Date"</pre>
Binding="{Binding datetimeofzakaz}" Width="150"/>
            </DataGrid.Columns>
        </DataGrid>
    </Grid>
</Page>
```

Листинг 6 – Otchet C#

```
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 WpfApp6
    /// <summary>
    /// Логика взаимодействия для Page5.xaml
    /// </summary>
    public partial class Page5 : Page
        Entities3 entities;
        public Page5()
            InitializeComponent();
            entities = new Entities3();
            Dg otchet.ItemsSource = null;
            Dg_otchet.ItemsSource = entities.Otchet11.ToList();
        }
    }
```

Листинг 7 – Mesta WPF

```
<Page x:Class="WpfApp6.Mestaa"
      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:WpfApp6"
      mc:Ignorable="d"
      d:DesignHeight="950" d:DesignWidth="1590"
      Title="Mestaa">
    <Grid>
        <Border Background="#faebd7" BorderBrush="Black" BorderThickness="1"</pre>
HorizontalAlignment="Left" Height="950" VerticalAlignment="Top" Width="1590">
            <TextBlock FontSize="60" Margin="9,30,416,840">Свободные места обозначены
единицей</TextBlock>
        </Border>
        <DataGrid x:Name="Dg_mesta" Margin="148,168,576,35" AutoGenerateColumns="False"</pre>
FontSize="40">
            <DataGrid.Columns>
                <DataGridTextColumn Header="id" Binding="{Binding id}" Width="100"/>
                <DataGridTextColumn Header="09:00-12:00" Binding="{Binding</pre>
C09 00 12 00}" Width="250"/>
                <DataGridTextColumn Header="12:00-15:00" Binding="{Binding</pre>
C12_00_15_00}"
                Width="250"/>
                <DataGridTextColumn Header="15:00-18:00" Binding="{Binding</pre>
C15 00 18 00}" Width="250"/>
            </DataGrid.Columns>
        </DataGrid>
        <Button Content="04ИСТИТЬ" Click="Clearb1" HorizontalAlignment="Left"</pre>
Margin="1019,230,0,0" VerticalAlignment="Top" Width="128" Height="57"/>
        <Button Content="04ИСТИТЬ" Click="Clearb2" HorizontalAlignment="Left"</pre>
Margin="1019,287,0,0" VerticalAlignment="Top" Width="128" Height="57"/>
        <Button Content="ОЧИСТИТЬ" Click="Clearb3" HorizontalAlignment="Left"
Margin="1019,344,0,0" VerticalAlignment="Top" Width="128" Height="55"/>
        <Button Content="04ИСТИТЬ" Click="Clearb4" HorizontalAlignment="Left"</pre>
Margin="1019,399,0,0" VerticalAlignment="Top" Width="128" Height="55"/>
        <Button Content="04ИСТИТЬ" Click="Clearb5" HorizontalAlignment="Left"</pre>
Margin="1019,454,0,0" VerticalAlignment="Top" Width="128" Height="55"/>
    </Grid>
</Page>
```

Листинг 8 – Mesta C#

```
using System;
using System.Collections.Generic;
using System.Ling;
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 WpfApp6
    /// <summary>
    /// Логика взаимодействия для Mestaa.xaml
    /// </summary>
    public partial class Mestaa : Page
        Entities3 entities;
        public Mestaa()
            InitializeComponent();
            entities = new Entities3();
            Dg mesta.ItemsSource = null;
            Dg mesta.ItemsSource = entities.Mesta.ToList();
        private void Clearb1(object sender, RoutedEventArgs e)
                entities = new Entities3();
                Mesta mest = entities.Mesta.Where(x => x.id == 1).FirstOrDefault();
                mest.C09_00_12_00 = 1;
                mest.C12_00_15_00 = 1;
                mest.C15_00_18_00 = 1;
                entities.SaveChanges();
                MessageBox.Show("Таблица очищена");
        private void Clearb2(object sender, RoutedEventArgs e)
                entities = new Entities3();
                Mesta mest = entities.Mesta.Where(x => x.id == 2).FirstOrDefault();
                mest.C09 00 12 00 = 1;
                mest.C12 00 15 00 = 1;
                mest.C15 00 18 00 = 1;
                entities.SaveChanges();
                MessageBox.Show("Таблица очищена");
        private void Clearb3(object sender, RoutedEventArgs e)
            entities = new Entities3();
            Mesta mest = entities.Mesta.Where(x => x.id == 3).FirstOrDefault();
            mest.C09_00_12_00 = 1;
            mest.C12 00 15 00 = 1;
```

```
mest.C15 00 18 00 = 1;
        entities.SaveChanges();
        MessageBox.Show("Таблица очищена");
    private void Clearb4(object sender, RoutedEventArgs e)
        entities = new Entities3();
       Mesta mest = entities.Mesta.Where(x => x.id == 4).FirstOrDefault();
        mest.C09_00_12_00 = 1;
        mest.C12_00_15_00 = 1;
        mest.C15_00_18_00 = 1;
        entities.SaveChanges();
       MessageBox.Show("Таблица очищена");
    }
    private void Clearb5(object sender, RoutedEventArgs e)
        entities = new Entities3();
        Mesta mest = entities.Mesta.Where(x => x.id == 5).FirstOrDefault();
        mest.C09_00_12_00 = 1;
        mest.C12_00_15_00 = 1;
        mest.C15_00_18_00 = 1;
        entities.SaveChanges();
       MessageBox.Show("Таблица очищена");
    }
}
```