<Window x:Class="FileSearchApp.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

Title="Поиск файлов" Height="400" Width="600">

<Grid Margin="10">

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="\*"/>

</Grid.RowDefinitions>

<!-- Ввод части имени файла -->

<TextBox x:Name="FileNameTextBox" Width="300" Height="25"

PlaceholderText="Введите часть имени файла"/>

<!-- Выбор каталога -->

<Button Grid.Row="1" Content="Выбрать каталог" Width="150" Click="SelectFolder\_Click"/>

<Label x:Name="SelectedFolderLabel" Grid.Row="1" Margin="160,0,0,0" VerticalAlignment="Center"/>

<!-- Переключатели: Искать во вложенных папках -->

<StackPanel Grid.Row="2" Orientation="Horizontal">

<RadioButton x:Name="SearchCurrentFolderRadio" Content="Только в указанной папке" IsChecked="True"/>

<RadioButton x:Name="SearchSubfoldersRadio" Content="И в подкаталогах" Margin="20,0,0,0"/>

</StackPanel>

<!-- Фильтр по размеру файла -->

<CheckBox x:Name="SizeFilterCheckBox" Grid.Row="3" Content="Учитывать размер файла" Checked="SizeFilter\_Checked" Unchecked="SizeFilter\_Unchecked"/>

<StackPanel Grid.Row="3" Orientation="Horizontal" Margin="20,0,0,0">

<TextBox x:Name="MinSizeTextBox" Width="60" IsEnabled="False"/> <Label Content="КБ"/>

<TextBox x:Name="MaxSizeTextBox" Width="60" Margin="10,0,0,0" IsEnabled="False"/> <Label Content="КБ"/>

</StackPanel>

<!-- Фильтр по дате создания -->

<CheckBox x:Name="DateFilterCheckBox" Grid.Row="4" Content="Учитывать дату создания" Checked="DateFilter\_Checked" Unchecked="DateFilter\_Unchecked"/>

<DatePicker x:Name="CreationDatePicker" Grid.Row="4" Margin="20,0,0,0" IsEnabled="False"/>

<!-- Кнопка поиска -->

<Button x:Name="SearchButton" Grid.Row="5" Content="Найти" Width="150" Click="Search\_Click"/>

<!-- Список найденных файлов -->

<ListBox x:Name="ResultsListBox" Grid.Row="6"/>

</Grid>

</Window>

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Windows;

using Microsoft.Win32;

using System.Windows.Forms;

namespace FileSearchApp

{

public partial class MainWindow : Window

{

private string selectedFolder = Directory.GetCurrentDirectory();

public MainWindow()

{

InitializeComponent();

SelectedFolderLabel.Content = selectedFolder;

}

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

{

using (var dialog = new FolderBrowserDialog())

{

if (dialog.ShowDialog() == System.Windows.Forms.DialogResult.OK)

{

selectedFolder = dialog.SelectedPath;

SelectedFolderLabel.Content = selectedFolder;

}

}

}

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

{

ResultsListBox.Items.Clear();

if (string.IsNullOrWhiteSpace(FileNameTextBox.Text))

{

System.Windows.MessageBox.Show("Введите часть имени файла.");

return;

}

string searchPattern = $"\*{FileNameTextBox.Text}\*";

bool searchSubfolders = SearchSubfoldersRadio.IsChecked == true;

bool filterBySize = SizeFilterCheckBox.IsChecked == true;

bool filterByDate = DateFilterCheckBox.IsChecked == true;

long minSize = 0, maxSize = long.MaxValue;

if (filterBySize)

{

if (!long.TryParse(MinSizeTextBox.Text, out minSize)) minSize = 0;

if (!long.TryParse(MaxSizeTextBox.Text, out maxSize)) maxSize = long.MaxValue;

minSize \*= 1024; // KB to Bytes

maxSize \*= 1024;

}

DateTime minDate = DateTime.MinValue;

if (filterByDate && CreationDatePicker.SelectedDate.HasValue)

{

minDate = CreationDatePicker.SelectedDate.Value;

}

try

{

var files = Directory.GetFiles(selectedFolder, searchPattern,

searchSubfolders ? SearchOption.AllDirectories : SearchOption.TopDirectoryOnly)

.Where(f => (!filterBySize || (new FileInfo(f).Length >= minSize && new FileInfo(f).Length <= maxSize)))

.Where(f => (!filterByDate || File.GetCreationTime(f) >= minDate));

foreach (var file in files)

{

ResultsListBox.Items.Add(file);

}

if (ResultsListBox.Items.Count == 0)

{

ResultsListBox.Items.Add("Файлы не найдены.");

}

}

catch (Exception ex)

{

System.Windows.MessageBox.Show($"Ошибка: {ex.Message}");

}

}

private void SizeFilter\_Checked(object sender, RoutedEventArgs e)

{

MinSizeTextBox.IsEnabled = true;

MaxSizeTextBox.IsEnabled = true;

}

private void SizeFilter\_Unchecked(object sender, RoutedEventArgs e)

{

MinSizeTextBox.IsEnabled = false;

MaxSizeTextBox.IsEnabled = false;

MinSizeTextBox.Text = "";

MaxSizeTextBox.Text = "";

}

private void DateFilter\_Checked(object sender, RoutedEventArgs e)

{

CreationDatePicker.IsEnabled = true;

}

private void DateFilter\_Unchecked(object sender, RoutedEventArgs e)

{

CreationDatePicker.IsEnabled = false;

CreationDatePicker.SelectedDate = null;

}

}

}