

Oefening 18.8

```
<Window x:Class="Oef18_8_ZoekInBestanden.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"
        xmlns:local="clr-namespace:Oef18_8_ZoekInBestanden"
        mc:Ignorable="d"
        Title="MainWindow" Height="315.297" Width="570">
    <Grid>
        <Label x:Name="label" Content="Folder" HorizontalAlignment="Left"
            Margin="40,28,0,0" VerticalAlignment="Top"/>
        <TextBlock HorizontalAlignment="Left" Margin="108,31,0,0"
            Text="C:\\" Background="Azure" VerticalAlignment="Top" Width="326"
            Name="directoryTextBlock" />
        <Button Content="Browse" HorizontalAlignment="Left" Margin="443,28,0,0"
            VerticalAlignment="Top" Width="75"
            Name="browseButton" Click="browseButton_Click"/>
        <Button Content="Show" HorizontalAlignment="Left" Margin="40,99,0,0"
            VerticalAlignment="Top" Width="75"
            Name="showButton" Click="showButton_Click"/>
        <TextBox HorizontalAlignment="Left" Margin="147,95,0,0"
            Background="LightYellow" VerticalAlignment="Top" Width="371"
            Name="resultsTextBox" Height="175"
            VerticalScrollBarVisibility="Visible" />
        <Label x:Name="keywordLabel" Target="{Binding ElementName=keywordTextBox}"
            Content="Trefwoord" HorizontalAlignment="Left"
            Margin="40,52,0,0" VerticalAlignment="Top"/>
        <TextBox x:Name="keywordTextBox" HorizontalAlignment="Left" Height="23"
            Margin="108,56,0,0" TextWrapping="Wrap"
            VerticalAlignment="Top" Width="326"/>
    </Grid>
</Window>
```



```

public partial class MainWindow : Window
{
    public MainWindow()
    {
        InitializeComponent();
    }

    private void browseButton_Click(object sender, RoutedEventArgs e)
    {
        FolderBrowserDialog folderDialog = new FolderBrowserDialog();
        if (folderDialog.ShowDialog() == System.Windows.Forms.DialogResult.OK)
        {
            directoryTextBlock.Text = folderDialog.SelectedPath;
        }
    }

    private void showButton_Click(object sender, RoutedEventArgs e)
    {
        if (string.IsNullOrEmpty(keywordTextBox.Text))
        {
            resultsTextBox.Text = "Gelieve een trefwoord in te vullen";
            return;
        }
        try
        {
            string[] textFilePaths = Directory.GetFiles(directoryTextBlock.Text,
                                                         "*.txt");

            resultsTextBox.Text = "";
            foreach (var textFilePath in textFilePaths)
            {
                SearchInFile(textFilePath);
            }
        }
        catch (DirectoryNotFoundException)
        {
            resultsTextBox.Text = "Fout: de folder kan niet gevonden worden.";
        }
    }

    private void SearchInFile(string textFilePath)
    {
        string fileName = System.IO.Path.GetFileName(textFilePath);
        StreamReader reader = null;
        try
        {
            reader = File.OpenText(textFilePath);
            string line = reader.ReadLine();
            while (line != null)
            {
                if (line.Contains(keywordTextBox.Text))
                {
                    var resultLine = CreateResultLine(fileName, line);
                    resultsTextBox.AppendText(resultLine);
                }
                line = reader.ReadLine();
            }
        }
        catch (IOException ioException)
        {
            var resultLine = CreateResultLine(fileName,
                                                $"Error - {ioException.Message}");
            resultsTextBox.AppendText(resultLine);
        }
    }
}

```

```
    }  
    finally  
    {  
        if (reader != null)  
        {  
            reader.Close();  
        }  
    }  
}  
  
private string CreateResultLine(string fileName, string textToDisplay)  
{  
    return $"{fileName}: {textToDisplay}" + Environment.NewLine;  
}  
}
```