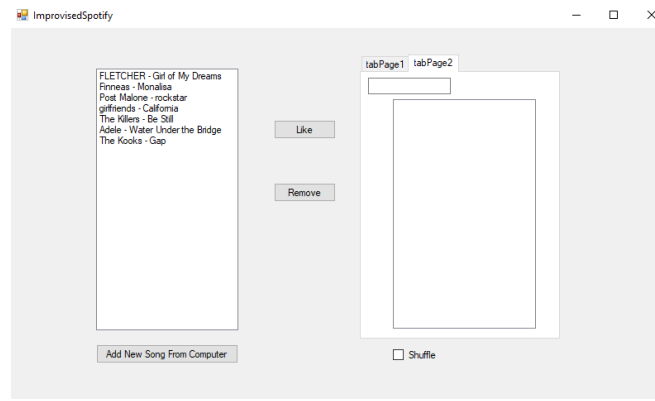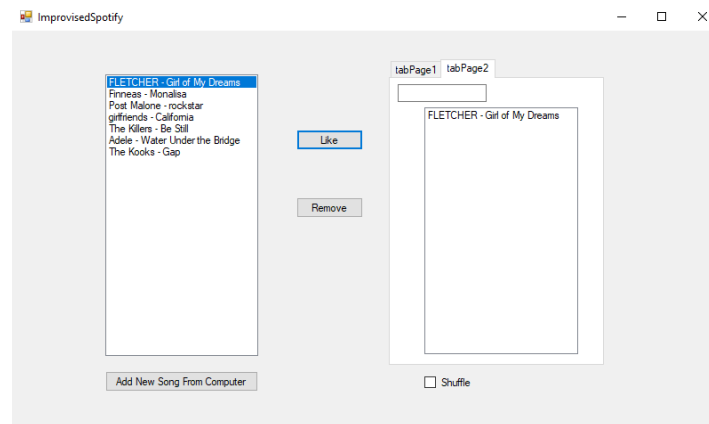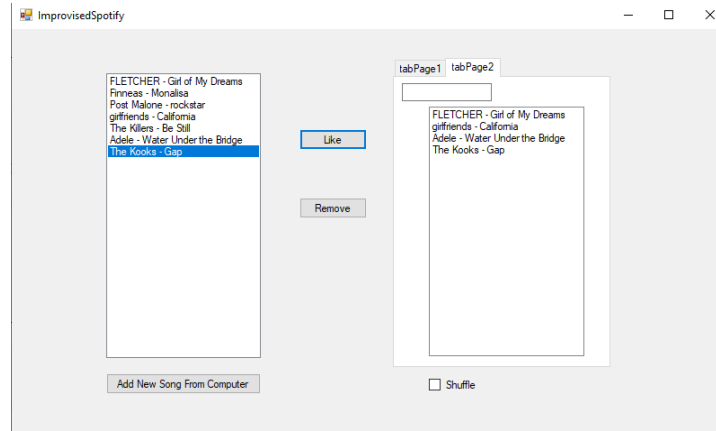# Homework 1 — Windows Form

The list box on the left contains a "Spotify Generated Playlist" (imported from a file:
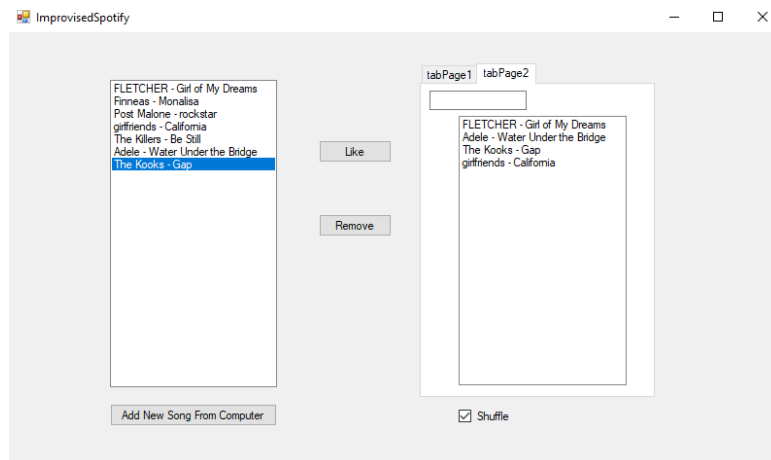

1. Adding a song to a certain playlist based on a like button (same for the remove button) :
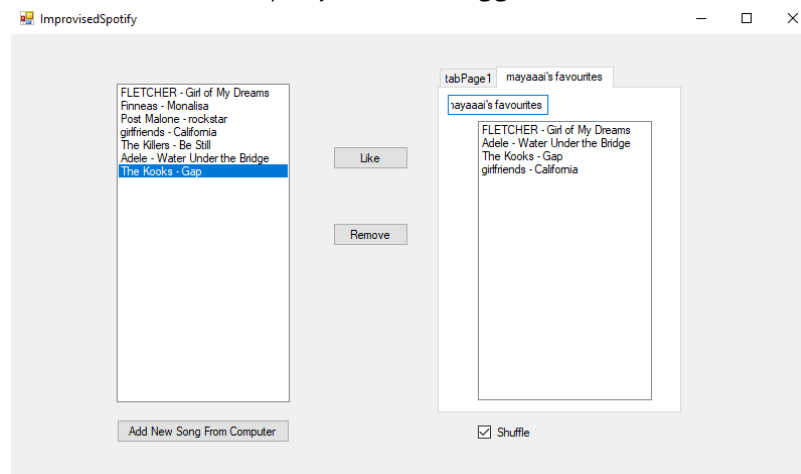
2. Creating an entire playlist :

3. Shuffle enabled (randomizing the order of the songs) :
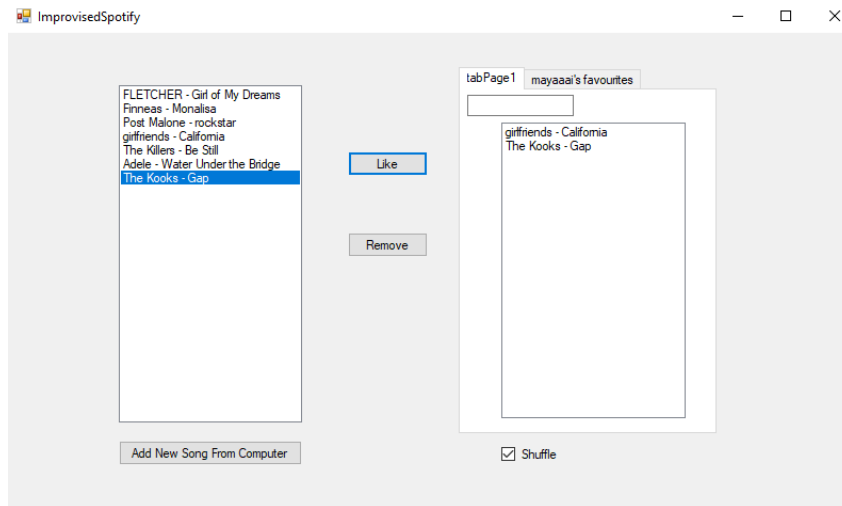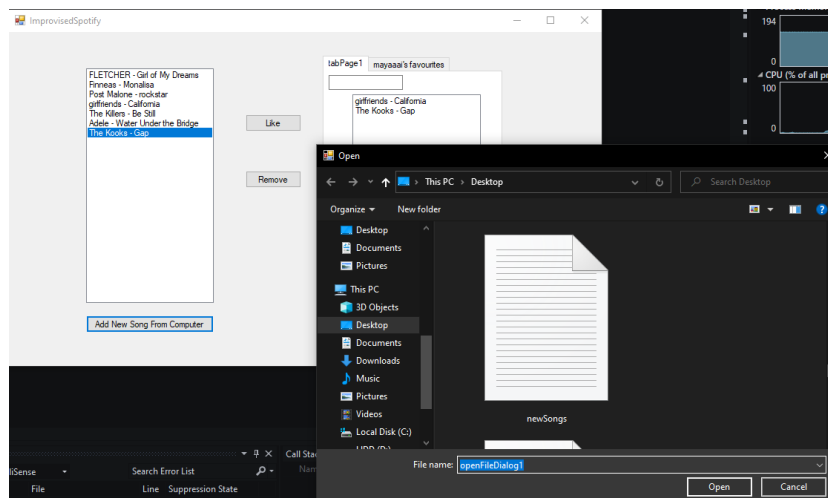

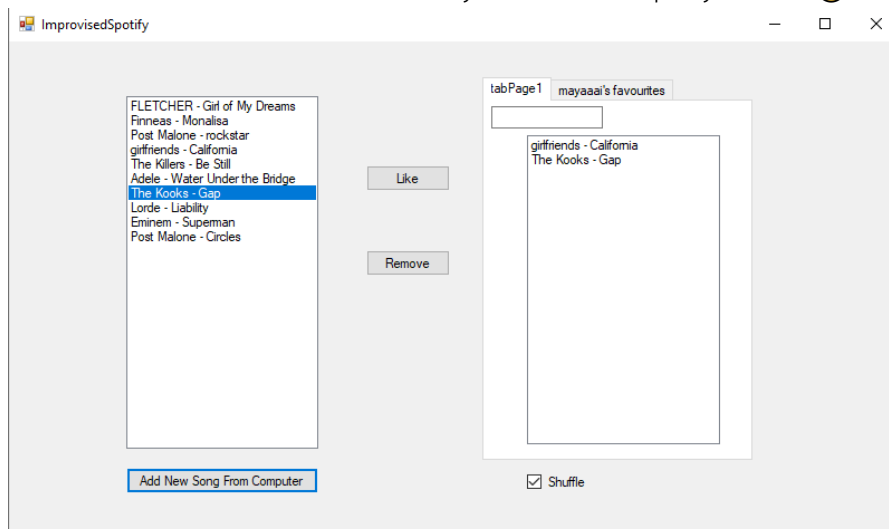
4. Give the playlist a suggestive name:

5. Create a new playlist with completely different songs:

6. Add new list of songs to the playlist directly from your computer:

7. Feel free to add them to your custom playlists 😊

- Controls that I used to develop the app:
  1. TabControl
  2. ListBox
  3. TextBox
  4. CheckButton
  5. Button
  6. OpenFileDialogue

Code:

```csharp
namespace Tema1
{
    public partial class Form1 : Form
    {

        public Form1()
        {
            InitializeComponent();
            this.Text = "ImprovisedSpotify";
        }


        private void btnANS_Click(object sender, EventArgs e)
        {
            listBoxSpotify.BeginUpdate();
            DialogResult dr = this.openFileDialog1.ShowDialog();

            string[] lines = System.IO.File.ReadAllLines(openFileDialog1.FileName);
            foreach (string line in lines)
                listBoxSpotify.Items.Add(line);

            listBoxSpotify.EndUpdate();
        }

        private void btnLike_Click(object sender, EventArgs e)
        {


            listBoxPl1.BeginUpdate();
            listBoxPl2.BeginUpdate();

            if (tabControl1.SelectedTab == tabPage1)
            {

                listBoxPl1.Items.Add(listBoxSpotify.SelectedItems[0]);
            }

            else if (tabControl1.SelectedTab == tabPage2)
            {
                listBoxPl2.Items.Add(listBoxSpotify.SelectedItems[0]);
            }

            listBoxPl1.EndUpdate();
            listBoxPl2.EndUpdate();
        }

        private void btnRmv_Click(object sender, EventArgs e)
        {
            listBoxPl1.BeginUpdate();
            listBoxPl2.BeginUpdate();

            if (tabControl1.SelectedTab == tabPage1)
            {

                listBoxPl1.Items.Remove(listBoxSpotify.SelectedItems[0]);
            }

            else if (tabControl1.SelectedTab == tabPage2)
            {
                listBoxPl2.Items.Remove(listBoxSpotify.SelectedItems[0]);
            }

            listBoxPl1.EndUpdate();
            listBoxPl2.EndUpdate();
        }


        private void textBoxPl1_TextChanged(object sender, EventArgs e)
        {
            if (textBoxPl1.Text.Length - 1 > 0 && textBoxPl1.Text[textBoxPl1.Text.Length - 1] == ' ')
            {
                tabPage1.Text = textBoxPl1.Text;
                textBoxPl1.Clear();

            }


        }
```

```csharp
private void textBoxPl2_TextChanged(object sender, EventArgs e)
{
    if (textBoxPl2.Text.Length - 1 > 0 && textBoxPl2.Text[textBoxPl2.Text.Length - 1] == ' ')
    {
        tabPage2.Text = textBoxPl2.Text;
        textBoxPl1.Clear();

    }
}


private void ShufflePlaylist(ListBox listBox)
{
    Random rd = new Random();

    for (int i = 0; i < (listBox.Items.Count / 2); i++)
    {

        int index = rd.Next(0, listBox.Items.Count);
        int index2 = rd.Next(0, listBox.Items.Count);


        var temp = listBox.Items[index];
        listBox.Items[index] = listBox.Items[index2];
        listBox.Items[index2] = temp;
    }
}

private void checkBoxShuffle_CheckedChanged(object sender, EventArgs e)
{
    if (checkBoxShuffle.Checked == true)
    {
        listBoxPl1.BeginUpdate();
        listBoxPl2.BeginUpdate();

        if (tabControl1.SelectedTab == tabPage1)
        {

            ShufflePlaylist(listBoxPl1);

        }

        else if (tabControl1.SelectedTab == tabPage2)
        {
            ShufflePlaylist(listBoxPl2);
        }

        listBoxPl1.EndUpdate();
        listBoxPl2.EndUpdate();

    }
}

private void Form1_Load(object sender, EventArgs e)
{

    StreamReader sr = new StreamReader("C:\\Users\\incer\\OneDrive\\Desktop\\piese.txt");

    listBoxSpotify.BeginUpdate();

    while (!sr.EndOfStream)
    {
        string line = sr.ReadLine();
        listBoxSpotify.Items.Add(line);
    }

    listBoxSpotify.EndUpdate();
}



    }
}
```