Explanatory Note

1. Program name

Our application is called «Movie Search App».

2. Annotation

App is designed to improve user experience of searching movies, it displays various information like awards, year, IMDb rating. App also contains movie advisor, which helps to choose what movie to watch.

3. Central repository address

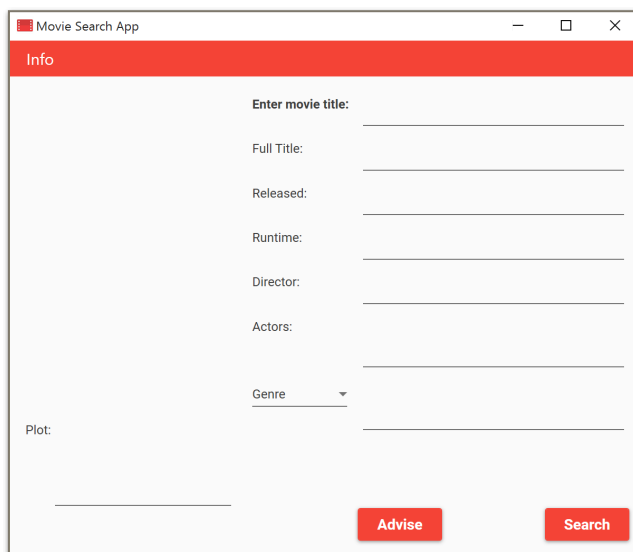https://github.com/bvdovganich/movie-search-app

4.Members of the team and their roles

Smirnov Vladimir - Unit Tests,
Shebatina Diana - UI Design,
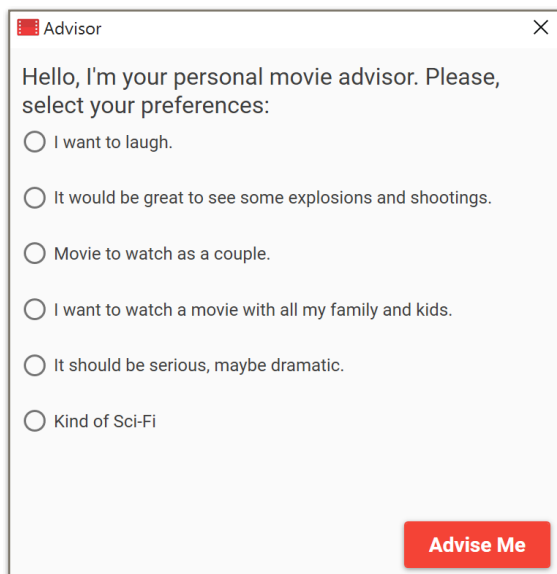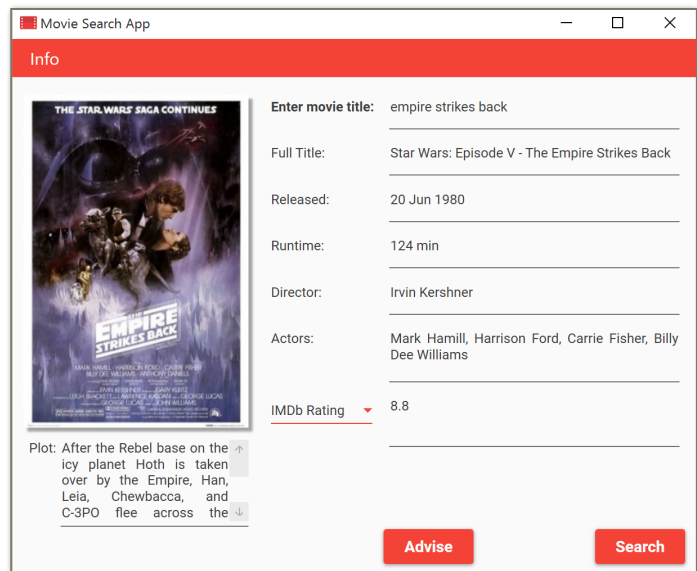Dovganich Bogdan - API, App Logic

5. List of classes

- **MovieDataDTO.cs**
  Contains JSON properties for OMDb API
- **ImageDownloader.cs**
  Contains logic for downloading an image from given URL and a method for converting bytes massive into an image
- **InternetChecker.cs**
  Contains logic for using Windows API to check Internet connection state
- **QueryControl.cs**
  Forms a string for making a query to an API website
- **AdviserWindow.xaml.cs**
  Contains logic for getting a random line from CSV files and sending it to MainWindow
- **MainWindow.xaml.cs**
  Contains general logic of application, it makes a query to web service, then outputs it on the screen, methods define WPF elements behavior.
- **UnitTest1.cs**
  Unit tests for method QueryControl, tests it for null, empty string, latin and cyrillic characters.

6. Program interface

Main window, which user sees when launches the application, text is entered into the «Enter movie title:» field

Information about the selected movie is shown in the main window, some extra information can be chosen from a dropdown list.

Advisor choses a movie based on user preferences.

Advisor shows a movie title, and automatically sends it to the main window.

Advisor ✕

Hello, I'm your personal movie advisor. Please, select your preferences:

○ I want to laugh.

◉ It would be great to see some explosions and shootings.

○ Movie to watch as a couple.

○ I want to watch a movie with all my family and kids.

○ It should be serious, maybe dramatic.

○ Kind of Sci-Fi

So, I think that movie would be great for you: Deadpool

[I've seen it!] [Search It!]