

Netflix Film Review Provider

1. Subject Area

You are being asked to help film industry providers around the world by providing them with a nice tool to manage their databases of Netflix film scores, stored in [.CSV](#) file, through using an efficient way that is C++ app with Qt – GUI based on [Model-View](#) internal design ([Master-Detail](#) user interface pattern).

2. Data Model

The database is structured and defined by its 6 attributes , "TITLE" (*film's title*), "GENRE" (*genre of the film*), "PREMIERE" (*date of premiere*), "RUNTIME" (*film's runtime*), "IMDB" (*IMDB score*), "LANGUAGE" (*original language*).

3. Main Features

There are a few things you **should do** in order to satisfy the good quality of application.

- Your application's window and it's UI elements must be dynamically adjustable according to the screen size. You should use layouting to achieve this.
- Your application must be structured properly. That is, it must display the main menu frame at the launch, where the user could have two options to select from: "START" and "HELP" .

1. HELP

Clicking on that option brings the user to the frame defined by the following requirements.

- You are required to implement a subitem labeled "About", that would open a window with information about the author in the form "StudentNo.~" .

2. START

Clicking on that option brings the user to the frame defined by the following requirements.

- Your application must be capable of loading the database from .CSV file and save changes to .CSV file.
- The user should be able to edit any given field of a film entry.
- The user should be able to add and delete entries of movies from the list.

- The window should have a list view on the left side for the [Master](#) aspect and a [Detail](#) view on the right side, which activates when an entry from the Master list is selected.

4. The additional possible implementations

- You could implement the ability for a user to sort the Master list by a certain attribute (for example by IMDB rating).
- You could implement filtering of the entries by setting up an interval for the numerical fields, for example, for RUNTIME it could be [60;90].

5. GUI Sketch

