

## Project Description

There are three major tasks in the project, they are as follow:

- i) **Advanced search** searches for the movie based on the user's criteria, and display the results on the scatterplot. There are numerous search fields such as "Title" and "Actor" that the user can search by typing in the values. This feature contains a syntax free interaction, and that is filtering the result based on the length of the movie.
- ii) The **comment feature** allows the user to add their own comments for a movie, and the comment will be saved even when the program is closed. This way, in the future the user can look back at their movies and see his or her thoughts and comments.
- iii) The **rating feature** allows the user to add their own rating for a movie, aside from the official rating of the movie. The user rating will be saved even when the program is closed. This feature complements the comment feature and allows the user to identify their favourite (or least favourite) movies.

## Interface Description

- i) In the **advanced search**, the user can enter partial information in the fields (not all fields need to have a value) and the system will attempt to search the database of movies that matches the criteria. If the user leaves fields blank, then the field is treated as don't care and only those fields with values will be used as the searching keys.  
  
The user can also use the track bar to find films with a length shorter than some amount. Below the graph, the user can toggle a combination of movie genres to filter their search. The search will look for movies that satisfies all of the toggled genres. For example, if

“Action” and “Mystery” genres are toggled, any movie that fits both of these genres will be returned.

In the scatterplot, users can click on the dots representing a movie, and the information about the movie will be displayed on the “Result” panel of the program. The user can then click the “Edit” or “Delete” button to modify the database and this movie entry.

The user can also drag-and-drop the result into the advanced search textbox, to further their search. For example, I can drag the result of “Director”, to the director textbox in the advanced search. All textboxes in the program also accepts drop and copy paste (with data validity checking).

- ii) In the **comment** and **rate** major tasks, after selecting a result of movie, the user can choose to view its comment, write their own comment for the movie, or give their own rating to the movie. The result will be saved even when the program closes.

## Particular problems with the application

There should be no problems with the application.

## Installation Procedure

Just double click and run the .exe file. If it does not run, this suggests that your computer does not have the correct .NET framework required to run the program.

Another note is that you have to have the “movies.xml” file in the same folder or directory as the “MovieOrganizer.exe” (this should already been done as they are both in the execs folder).