

## Project Description

All planned features were completed except for a favourites menu. Like the MovieOrgnaizer this project allows users to manage a collection of movies graphically. The application allows the user to add, delete and modify movie entries. The application does not store pictures, country or languages but stores all other variables such as actors. In addition the application stores genres and a plot description.

## Interface Description

- All screen transitions are done in the same window using tabs, which the user can't manipulate. They must use the custom buttons in the application.
- When the application closes normally (not force quit) all changes are saved.
- There is a menu common to all windows. It contains:
  - Help: shows the main help window (which can link to other help windows).
  - Reset: application saves changes and sets the GUI to its initial (default) state.
  - Add: If there is a aingle movie entry displayed on screen the entry is added to the users favourites list.
  - Quit: Saves all changes and closes application (same as what clicking the X button does).
- The application possesses a wide view in which the circles can be clicked bringing a user to a previously visited screen. Circles are only displayed when a user has visited a screen. If create was clicked search,refine and info windows circles are invsible.
- There is a half circle on the far left and far right of the window if the user can go back or forward to a given window from the current, if they previously visited it.
- There is 5 windows:
  - (1)**Home:** User can navigate to create or search by mouse click on the create or search buttons.
  - (2)**Create:** User can create a movie entry with any number of fields entered correctly as long as the year and star rating are specified. Can navigate back to home by pressing cancel.
  - (3)**Search:** User can either do a simple search by partial or full director name or title (click either search button to search.). With advanced search user can search for anything except for length or plot summary have to click search. If there is more than one result screen transitions to refine screen, if just one goes directly to movie info screen for the movie.In the bottom box a description of what to enter in a field is displayed. Can navigate back to home by pressing cancel.
  - (4)**Refine:** Diplays results that match previous search screen (could be no criteria so display all results then). User can a simple search by partial or full director name or title results are displayed in the graph instantly. Rating slider adjusts graph points displayed to show only whats above the point specified. The 2 year bars specify what the maximum and minimum year values can be for a point (updates instantly). Any number of genre buttons can be selected and points are only displayed if they have the current genre. When a point is clicked on the user is brought to the movie info screen for that movie.
  - (5)**Movie Info:** User can save the movie, delete the movie, and enter any field validly and save the changes. All changes are made instantly to the graph in refine. Can navigate back to home by pressing cancel.

## Problems Description

### Data Issues

- If the XML file is modified incorrectly (ie text with no tag) the program will not run.
- If application is force quitted or crashes the changes made are not saved.

### Interface Issues

- Custom button borders are not clickable (but rest of button is).
- When points on the graph are close together, and selecting a single point it may not be selected if clicked on near the egde of its seeable sqaure. Just click closer to the center when this happens.
- Points can overlap if they have the same year and qaulity rating, if they do the first one read in the XML files is the one on top.

## **Performance Issues**

- Saving changes at the end takes awhile due to the deleting of previous file's contents and writing of all of the current data to the file.
- Screens have object pop-ins when transitioning, this is due to the VB Power Pack Shape implementation of circles and others.
- When shapes or objects on shapes are clicked on there is also some flicker sometimes also due to the VB Power Pack Shape implementation of circles and others.

## **Installation**

### **-Steps to run**

- 1)Ensure resources and images folders are in the same directory as the exe file.
- 2)Click the exe file.

### **-Where items are placed**

- There is one xml file which stores all movie data. This is located in resources and is named movie.xml, no other files are used for movie data.
- The background image and end image are stored in the images folder.