

## Movie Library Program

### Program idea:

This project holds information for movies (title, director, release date, IMDB rating, and reviews) in the data class "Movie" and the storage class "MovieLibrary". There are also reviews being stored in the data class "Review." The user can access various options from the menu which appears when the file is ran. The first option, "import," asks the user for a file name, and imports data from a text file into the library. After this, the user may choose either to add another movie to the library with the "add" function, print the current library with the "display" function, or finally export the current library to a new text file or overwrite a previous one with the "save" function.

### What classes will be used:

Movie class – contains

- String title
- String director
- Int year
- Float
- Review \*movieReview

movieLibrary – contains

- Movie \*\*movies
- Int numOfMovies

Review class – contains

- String reviewerName
- String \*reviewText

Functions that will be needed:

- Import
- Display
- Add
- Save
- addReview
- setReview

Program flow:

- Set up Menu (with switch cases)
- Set up classes/functions (implement them accordingly to your switch case)
- Release memory (free memory at end program case)

Individual role breakdown:

Slate: Leader

Travis: Tester

Tymon: Architect

Shane: Debugger