

Assignment #2 Design/Testing

Understanding the Problem

This problem is asking me to create a program that will allow the user to enter a movie where it will prompt the user for how many movies they want to enter into the database and the movie's title, stars, number of cast members, cast member names, movie rating, and copies. It would also allow the user to search for a movie where it will prompt the user for the information they want to use for the search either by name, number of stars, specific cast member, or rating. Overall the program will allow the user to do what they would like to do, either search or enter a movie, until they decide they don't want to.

Devising a Plan/Design

Create a movie header file that will include the movie class and its information.

Create a movie cpp file that will include the movie header file.

Create a Netflix header file that will include the Netflix class and its information, along with the movie header file.

Create a Netflix cpp file that will include the Netflix header file.

Create the main cpp file that will include the Netflix header file.

Create a data file that will hold the information of all the movies' title, stars, cast, members, rating, copies, and rented.

Create a make file.

Testing

In making my program, I used the help of information learned from lectures, lab, internet, teacher assistants, and peers. For example, with solving of system errors, I went to teacher assistants' office hours, who helped me fix my system errors, and also learn the reasons why they were occurring in the first place, along with the reason why what I did to fix them work, which helped me a lot not only with my program, but also with expanding my knowledge to become a better programmer overall.

Input Values	Expected Output	Did Actual Meet Expected?
ans = 1	Allows user to input movie into the database.	Yes
ans = 2	Allows user to search for a movie(s).	Yes
ans = 0	Exits user out of the program.	Yes
find = 1	Allows user to search for a movie by title.	Yes
find = 2	Allows user to search for a movie by the number of stars.	Yes
find = 3	Allows user to search for a movie by the name of a cast member.	Yes
find = 4	Allows user to search for a movie by rating.	Yes
name = character(s)	Movies that match in the database.	No
stars = an integer	Movies that match in the database.	No
member = character(s)	Movies that match in the database.	No
rating = an integer	Movies that match in the database.	No