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Senior Project- Expanded Idea

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The main idea of this project is to have a way of graphically managing a movie file library that gets the useful information (ie. Actors, runtime, and cover art) from an external source and presents those in a viewable and more useable way than file explorer. There are many features that I will include in this project so that it meets my needs as a movie collector. This will be a list of features that I want to have to make the app functional.

**Information gathering from IMDB-** What I mean by this is that given the title of a movie, I will get that movies information from IMBD and populate it into a movie object that will be used in the library. The data that will be gathered from IMDB is, actors, rating, runtime, cover art, summary, and its date of release.

**Displaying movies visually-** My idea for this is in a grid format of movie objects that will display the cover art and movie name below it. This library will be fully searchable by name, actors, runtime, personal and critic rating, recently added, and recently viewed. When a movie object is selected from the list, a sidebar will appear to display information about the movie, including: cover art, actors, run time, average rating, personal rating, and plot summary. This menu will also include the play button that I will talk about a little later.

**“Do I have this” button-** This is a button that personally would save me enormous amounts of time when trying to find movies. The idea is that you click the button and provide the name of the movie that you are looking for. The app will then search your local library for the movie and tell you if you have it or not. It will then bring the movie up in the selected sidebar discussed earlier and allow you to play it. No more will I wait to download a movie that I already have in possibly better qualities.

**Direct play button-** This is a button that appears in the selected movie side bar. This button does exactly what it sounds like. But depending on the file format there are different players that better display the formats. For example, VLC media player is great for newer movie files including mp4 and mkv, but windows media player is better at handling older files that where converted from VHS to a digital format.

**“Suggest a movie” button-** This is an idea that I thought would be interesting to try and implement. Basically the app would keep track of your previous movies that you have viewed. Then when this button is clicked it will do a search of IMDB based on your currently most watched genre in the past 5-10 movies and provide a list of options that you may like or want to check out.