***Project goal***

Create a data-driven information system

***Sequence diagram***

Refer Lucidchart

***The user is able to perform following actions***

**Users who access the website & would be able to discover movie and television content: (Value created: 1b)**

The system would suggest movies/TV shows based on the filters added by the user.

The system would simply run SQL queries and display the movies/TV shows (and their ratings) that fall under that category and also recommend TOP 5 movies with the highest ratings belonging to that genre/actor. **(value created: 3b)**

How is the recommendation going to work when a user searches by title? Maybe the system runs a sql to find out the genre and actors related to the movie -> find 5 movie titles corresponding to that genre and actor (let’s try for highest avg ratings)

If there are no ratings (in our DB) for movies that fall under that category, the system would not recommend anything.

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**Users can rate a movie:**

This rating would be stored under the ratings/title\_user table which would be associated with that title and the user’s personal rating **(Value created: 1a).**

This rating would be associated to the movie/TV show title. When multiple users have rated this movie, we can create an avg rating for that movie along with the total votes (and this will be used as a recommendation. **(Value created 3b)**

**Users can rate an actor: (value created 1c)**

***Questions:***

1. Where would the user's history of searches and preferences be stored? **(value created: 3a)**
2. If we are storing the personalized user data we would have to create a login and the user table will have a Username and password field ?

***Assumptions:***

1. If a user has *rated* a movie, then they’ve *watched* the movie