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CS235 Assignment 2 Feature Design Report:

For my new feature I have implemented a view count system and also embedded a YouTube player that shows the trailer for the movie if available:
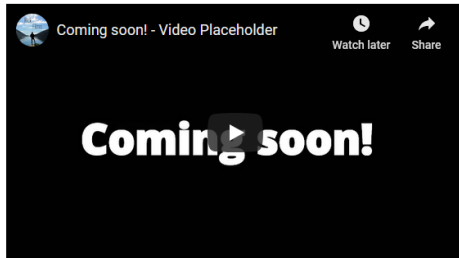
The YouTube embedded player:

A placeholder video is shown if the trailer id is not found in the memory repository:

If the trailer for the movie is found, then the service layer fetches the video id from the memory repo and constructs the video URL to be shown:

The list of movie trailers is loaded during initialization along with the users and movie list.

The view count system:

Info

Views: 1

Three girls are kidnapped by a man with a diagnosed 23 distinct personalities. They must try to escape before the apparent emergence of a frightful new 24th.

Reviews

Write a review

You must be logged in to write a review

About

Each time a user visits the movie info page the view is incremented by 1 in the memory repository, this view count is used on the homepage where a list of the most viewed movies is shown:

Most Viewed

The 'get_most_viewed' function is handled by the utilities/services.py which is used by the homepage, a dictionary containing view counts for all movies that have at least 1 view is returned, and the 'get_most_viewed' function returns a list sorted in reverse. If no movies are in this list, then an unclickable '…' is shown just like in the browse. Clicking on the link will direct the user to the movie_info page for the respective movie.

The embedded YouTube player was added as an afterthought after the view count system because I felt just the view count system by itself was a bit lacking. Test cases for both extensions have also been added.