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**Movie Master Abstract**

During the pandemic, entertainment is coming more and more important in people’s daily life. We build a program that could recommend the most recent popular movies to users and provide some movie reviews for users will help users to decide which movie to watch. For users that have specific interest, we can help them to find which streaming platform they can watch the movie. We collected data in different sources: IMDb movies.csv and Oscar.csv, multiple APIs, and web scraping from Rotten tomatoes. Then we used Numpy and Pandas libraries to conduct data manipulation and data cleansing to gain cleaned data to support following use. Users could search movies by name and check the price comparison chart formed by Matplotlib and Seaborn libraries. We used JustWatch API to support this searching feature. When the information of the movie shows, there will also be a fancy word cloud picture on the screen. The data are gained from twitter API. At the center of our main page, we show two formatted tables about the new /hot movies we web-scraped to keep movie fans updated about the latest movie information. Finally, we utilized Tkinker/Pillow/Pandastable/PIL to integrate main features together into a well-designed graphic user interface to provide users a better using experience.

**User Instructions:**

Please check the ‘Movie Master User Instructions.png’ file. To be concise and clear, we made a mind map for users to know our program quickly.