<u>**COMPUTER SCIENCE INTERNAL ASSESSMENT**</u>

<u>**CRITERION E: EVALUATION**</u>

WORD COUNT: 667

The core purpose of the program was to recommend movies to the client based on their preference/s, accurately and efficiently.

By inputting a movie name and the number of movies the client wishes, the program **outputs a sorted list of movies** that the client is likely to prefer. This can be an effective way to suggest movies to clients compared to them rating movies individually or even rating different parameters like genres, because, as inferred from the transcript, it is **less time-consuming** and is also more **convenient** for the client. Another useful feature is that the client can choose the number of movies that must be recommended because, as the client mentioned, it **attests to the his needs and wants at that point of time**.

However, the client mentioned that he **cannot search up new and latest movies**, in the input or output, which is a significant drawback because the program is then termed to be **outdated**. One **recommendation** for this is to keep adding latest movies from the internet to the larger dataset, and potentially their ratings. The client also pointed out that it would be **even better if there were movies from different languages, countries and cultures** such that he had a larger variety of recommendations. The client would also like a short summary of each movie which can be beneficial is the client has not heard of the movie beforehand. This can be added from already available datasets on the internet in the future. Moreover, the dataset can then also be expanded by adding series and television shows instead of merely movies.

Nevertheless, the client will be able to make a **secure account by signing up**, and then logging in. This can prove to be crucial because the **client's preferences can be recorded, and can be used for future data analytics**. However, the client claimed that the program **does not allow one to change the password is he forgets it**, which is an important functionality that is missing from the program. The client also mentioned that **when the size of the window is changed, the buttons and UI elements are distorted** and not placed in the correct proportions as before, which is an important feature that is lacking sophistication. Furthermore, the client made a spelling mistake while inputting a movie, which led to an error message. This shows that the usability of the program is also falling short as the **program is not 'interpreting' what movie the client could have mean**t.

Yet, the program displays the year the movie was released, embedded in the output. There are **also useful signposts attached like error message boxes** which **improves communication with the client and helps with the usability** of the program. The "About" button in the menu on the top helps the client understand what the program is for and briefly, how it works.

Still, the client finds **it a bit difficult to navigate**, especially from the homepage to the login window. A potential bar in the menu can directly connect to the login page.

As a **suggestion for improving the program, one could also enhance the user experience through aesthetic designing**, as the client implied during the feedback. This would improve the likeaibility and overall experience prospects of the program; for instance if the background colour of the program changes with the nature of the film/s suggested.

Success Criteria	Evaluation
Recommend to Client a personalised and sorted list of movies to watch on Netflix.	MET
Recommend particular number of movies that the client wants	MET
Display the name and year each suggested movie	MET
Display an 'error' message if the requirements for the algorithm are not met	MET
Guide clients with the use of sign-posts and instructions as they will be able to navigate through UI elements smoothly	Could be improved
Secure the client's password and other important details and verify the user's log-in information with a secure database	MET
Clients will be satisfied with the recommendations given	Could be improved - updated databases, wide options etc.