Criterion E: Evaluation

The registration function works properly, and the user is required to login using a registered account.	The user is required to create an account before using the application. This account information is saved into a text file, and if the user wants to log in their username & password must match an entry in this text file.
The interface is simple and easy to use.	The interface has organized buttons and a clean background, ensuring that it is straightforward and user-friendly.
The main menu displays the selected month correctly, which is the most recent month by default.	The index of the data on the main menu defaults to the index of the most recent month. If the user uses the "Change Past Data" button, they can select any month and the index will change to the index of that month's data.
Updating the income and expenditure information updates the text file properly. It is easy to update this information.	The data in the text files are always stored in their respective strings when the program is active. Updating the data updates the string, and the string is rewritten into the text files.
Creating a new month inserts the month in the LinkedList & text files in chronological order.	The program compares the new month with existing months, and correctly chooses which two months it should go between.
The program is able to search through all existing data.	The sequential search correctly searches for the chosen month.
The program is able to sort the existing data by income & expenditure.	The selection sort correctly sorts the data in the selected order.
The investment menu correctly calculates the expected return based on input investment amount and type of interest.	The formulas used by the Investment class' calculate functions match the formulas for simple and compound interest.
Updating old information works properly and is easy to do.	Updating the information for a past month correctly updates the text files.
Switching accounts works properly without needing to close the application.	The program creates different text files for different users, ensuring that the user information is private and that account switching works.

Recommendations from Client

The program could save the investment information into a text file instead of having just a calculator. This would make the investment aspect of the application more in line with the rest of it. This could also be implemented in the Past Month Viewer, where the user would be able to sort each month for highest/lowest investment or highest/lowest return.

The program could also implement a way to view data trends across time. This was initially planned to be included but due to time constraints it was not able to be implemented. This would be a useful feature since it allows the user to understand their financial situation better, and look at how their lifestyle has changed over time.

Word Count: 481