

# Criterion A: Planning

## Defining the problem:

My client was recently elected to the position of Financial Officer at his school. His duties in this new role require a tracking of finances, data analysis of proposals, and general council on fiscal ventures the student government wishes to explore. My client has little experience with spreadsheet programs but needs a centralized program to account everything finance related during his time elected as officer. The program needs to focus on ease of use while also balancing complexities of categorizing by date, type, and frequency. The program should operate entirely within his computer so that he can access the data anywhere and to eliminate any potentials of unauthorized access.

## Rationale for proposed solution:

The entire program is possible in a Java program that utilizes a GUI interface for ease of input. The robust nature of public vs. private variables makes Java an ideal language for secure data storing. The program would record different types of data values to the computer and there would be a method to visualize the data and use sorting methods to change the view. The things that would be recorded include: 1. Reason for transaction 2. Type of transaction 3. Date 4. Amount 5. Singular or recurring event

## Stating the success criteria :

1. Creation of password
2. User authentication via password
3. GUI interface that is easy to use
4. The ability to store clustered data on the device
5. Inputted transactions should record type of 1. Type of transaction 2. Reason for transaction 3. Date 4. Amount 5. Singular or recurring event
6. Visualization of all transactions in the GUI that can be sorted via a selected filter
7. Simple overview of amounts to dates