Criterion A: Planning

Defining the problem (*a detailed analysis of the problem*):

My dad wants to calculate all his expenses to see how much he is spending and where he is

spending them in order to control his spending.

Rationale for proposed solution (*your thought process in solving the problem*):

I am going to make a program that allows users to input their different expenses and output this data in a way that the user can easily see their statistics, like income, expenses, and the percent of income that they are spending on each expense. Since my dad also said that he would like for my mom to be able to use it, the program also will have the option to pick two different users so that my mom and my dad can use the program at the same time without having to delete each other's stats. For each user, the program will remember all the stats so that the user does not have to input the same thing each time. Of course, the user will be able to edit and reset these stats and have them saved.

Stating the success criteria (*a set of GOALS that will guide the design and be used to test the success of the program*):

1. Be able to see how much money was spent in a month.
2. Be able to see all the different categories of spending.
3. Be able to easily compare the different categories of spending by seeing the percent of income for each expense.
4. Make tools to allow users to track their spending over time.
5. Be able to save all stats so that everything is there the next time the user uses the program.