Henry Ford College

Finance Tracker Program

Tracking your spending for you

Gavin Corkery

C Programming CIS-170-02

Mrs. Kimmer

Monday, November 30, 2020

My program will take any number of transactions you made, given the place of spending, amount, date, and category. This program will only track spending, not deposits. In the end, it will display all of your transaction data, how much you spent in each category, and in total. It will automatically track all of the spending in categories of: Food/Drink, Entertainment, Bills, and Transportation, and show a percentage of the total for each category. It will also display a message informing you which is your most expensive category, and an average of how much more in terms of money amount and percentage.

To do this I will need a function that will read in all the data, a function to categorize all the data, and a function to display the information written to an easy to read text document. I will need an .csv file with the transaction history and a .txt file for the output. I will use a structure for each transaction to store all of the data.

I will need a character array for the name of the place, date of the transaction, and the category that it falls into. I will need an integer variable for the amount of the transaction, the total for the category, and the percentage breakdown of each category compared to the total amount spent.

I will also need to create a message for the most expensive category and how much was spent in difference to the other categories and percentage difference.