Budgeting With Code

Strategy and Planning

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Budgeting

- **Budgeting is something that most everyone is familiar with, (most) everyone has had to do some budgeting in their life. There's tons of different ways to budget, there's apps and spreadsheets and even some banking apps have budgeting options. I wanted to create a simple free way to be able to quickly just collect data and budget what you need to. This topic interests me because as a college student who's also working and going to school budgeting is always something I have to do and think about.**

Pseudocode/Code

- **I created a pseudocode that gives the vague idea of what I'm hypothetical trying to create for a budget plan.**

```python
# this first def function prompts the user for monthly income,
# then allows for other expenses in various categories to be input

def get_user_input():
    income = float(input("Enter your monthly income: "))
    expenses = {}
    while True:
        category = input("Enter expense category or 'done' to finish: ")
        if category.lower() == 'done':
            break
        amount = float(input(f"Enter amount for {category}: "))
        expenses[category] = amount
    return income, expenses


# this is where the calculations for total expenses and leftover balance is given

def calculate_budget(income, expenses):
    total_expenses = sum(expenses.values())
    balance = income - total_expenses
    return total_expenses, balance


# this function then gives a print statement of a budget summary, giving the
# total for the categories above

def display_budget_summary(income, total_expenses, balance):
    print("\nBudget Summary:")
    print(f"Total Income: ${income}")
    print(f"Total Expenses: ${total_expenses}")
    print(f"Remaining Balance: ${balance}")


```

Unanswered questions

How likely are people to use this?
- One question is how likely are people really going to use this

How helpful can this code be?
- Can this code be something people actually use/ can this actually be beneficial for people's personal use.

https://www.investopedia.com/terms/b/budget.asp

https://consumer.gov/sites/default/files/pdf-1020-make-budget-worksheet_form.pdf