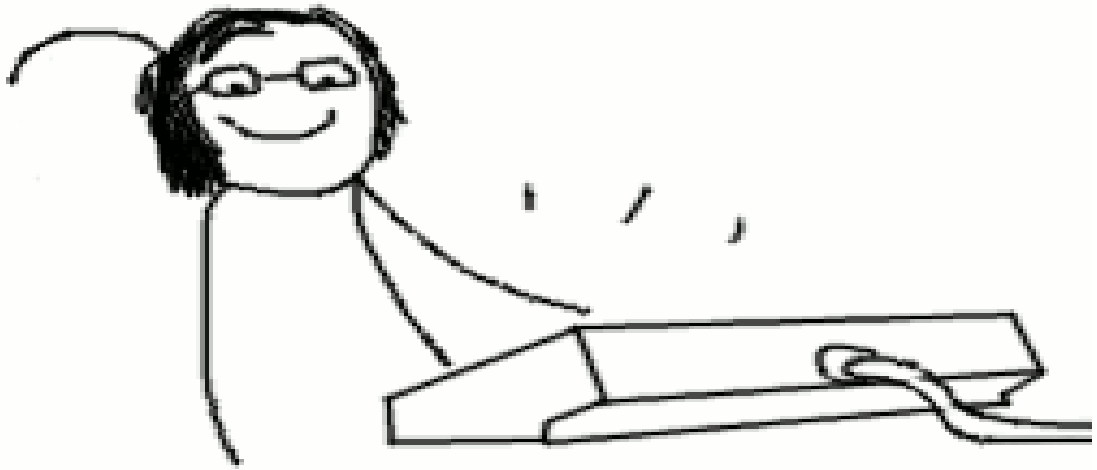


Group Programming Project 1

By: Robert Pearson and Tyler Doherty

Do You Struggle With Managing Your Money?

Budget Manager

What Can Our Budget Manager Do?

- User can input their yearly salary
- User can log monthly expenses into specific categories
- User can view their expenses
- Creates a monthly budget based off their salary

The Menu

```
Welcome to the Budget Manager
1: Set Salary
2: Set Expenses
3: Show Expenses
4: Create a Sample Budget based off of your salary
5: Quit
Select a Number (1-5):
```

Salary

Step 1: Input yearly salary

```
Select a Number (1-5):  1
Enter your yearly salary:  100000
```

Setting Expenses

Step 2: Input Monthly Expenses

- User can input their monthly expenses
- They input the category first then how much they spent

```
Welcome to the Expense Tracker
1: To add a category for expenses and money spend on category
2: Quit Expense Tracker
Select a Number (1-2):  1
Enter a category for expenses:  rent
Enter the amount spent on that category monthly:  1500
```

```
[{'food': 200.0}, {'rent': 1500.0}, {'utilities': 250.0}, {'transport': 300.0}]
```

Showing Expenses

Step 3: Displays your monthly budget

- Displays monthly income and total monthly expenses
- Displays the categories from their monthly expenses

```
You make $8333.33 per month and your total monthly expenses are $2250.

You spent $2250 on the following categories ['food', 'rent', 'utilities', 'transport'].
```

Creating Sample Budget

Step 4: Creates a monthly sample budget for you

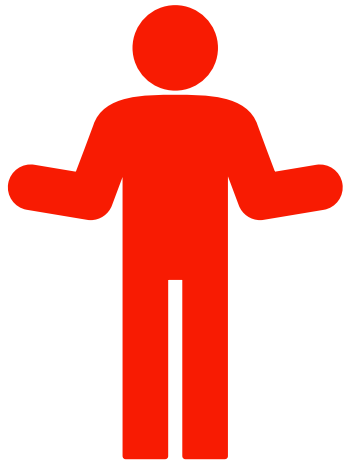
- Based on users' monthly salary
- Asks user if they have any debt because that will affect the budget creation

```
Hello, welcome to the Sample Budget Creator

Do you have any debt? (yes/no):  yes
1: Continue with Sample Budget
2: Quit Sample Budget
```

```
Suggested Budget Allocations (With Debt) based off of monthly salary:
Rent or Mortgage: $2083.33
Utilities (Electricity, Water, Gas): $1250.00
Groceries: $1250.00
Transportation (Car payments, Fuel, Public Transit): $1250.00
Entertainment: $416.67
Savings: $833.33
Debt Payment: $1250.00
```

This will create a monthly budget for you to go by!



What Did We Learn?

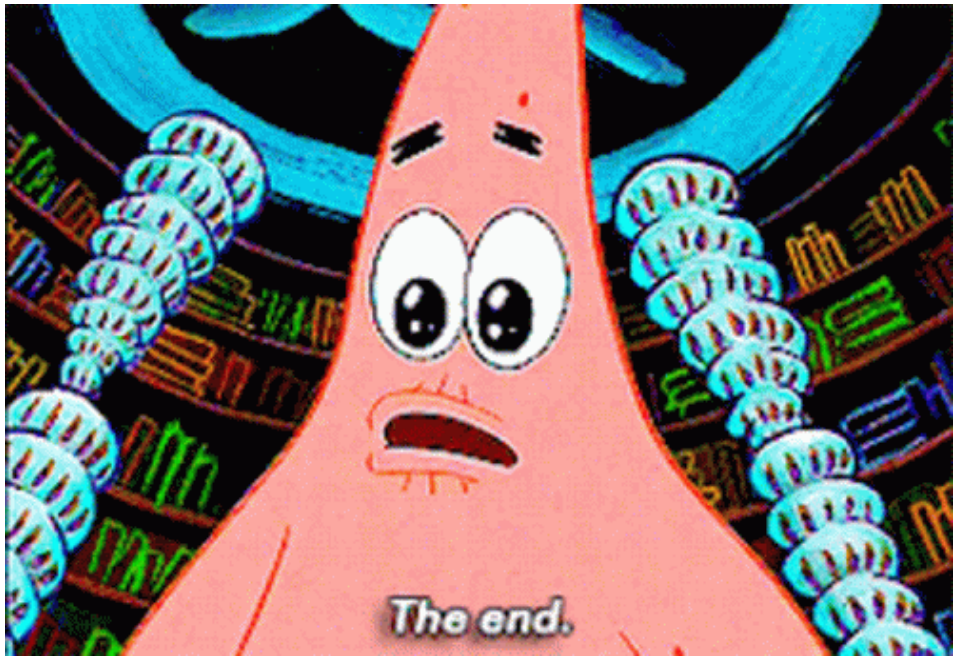
About the process of budgeting

How important is to save

What Could We Improve?

Allow user to set their own categories for the budget

Make the process of adding expenses less tedious



The End