

Massage Business Expense Tracker

I. Background

The Budget Tracking Program is designed for small massage business owners who require a straightforward and effective method to monitor their financial transactions. Managing various expense categories and sources of income can often be overwhelming. This program streamlines the process by offering a centralized platform for logging and analyzing financial data, allowing for better financial decisions and a clear understanding of the business's financial status.

II. Business Rules

a.) The Problem at Hand

The challenge is to provide a simple yet comprehensive system for recording and reviewing expenses and income. The solution must cater to the specific needs of small businesses in the massage industry, where varying costs and revenue streams can make budget management complex.

b.) Describing Inputs and Outputs

Inputs:

- Categories for Income: Service and Product Sales
- Categories for Expenses: Rent, Salary, Supplies, and Utility
- Monetary amounts for each category

Outputs:

- The total for each expense and income category
- The overall balance of income minus expenses.

III. Develop a "Hand" Calculation

Manual Calculations:

Test 1:

Income

Service	3000
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Product Sales	1000
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Expenses

Rent	500
Salary	1000
Supplies	200
Utility	500
Total Income	4000
Total Expenses	2200
Current Balance	1800

Test 2:

Income

Service	2000
Product Sales	1500

Expenses

Rent	500
Salary	500
Supplies	200
Utility	200

Total Income	3500
Total Expenses	1400
Current Balance	2100

Test 3:

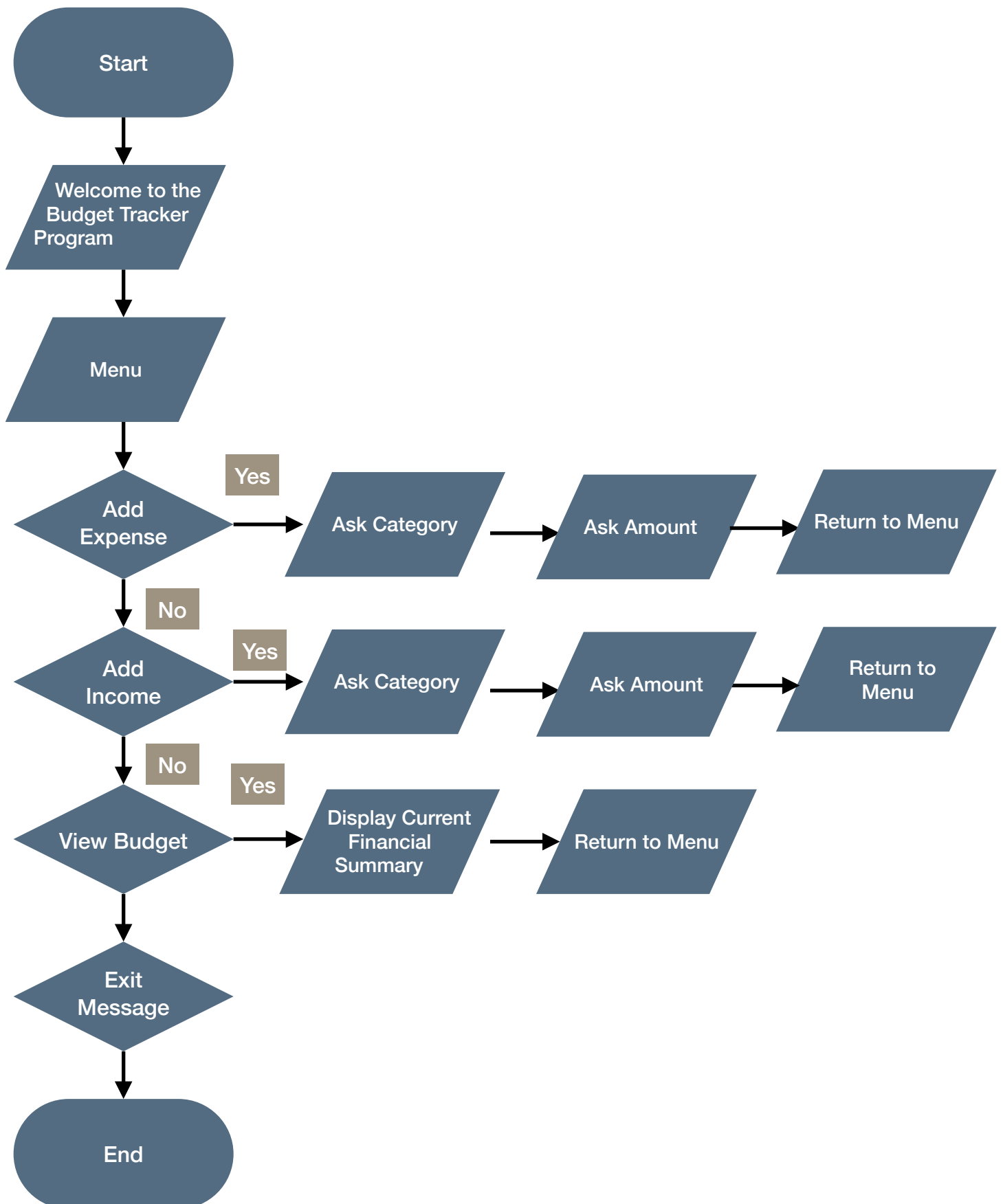
Income

Service	7000
Product Sales	3000

Expenses

Rent	2000
Salary	1500
Supplies	500
Utility	500

Total Income	10000
Total Expenses	4500
Current Balance	5500



Pseudocode

START

PRINT "Welcome to the Budget Tracking Program for Small Massage Businesses"

INITIALIZE expense_records, income_records

WHILE true

 DISPLAY menu (Add Expense, Add Income, View Budget, Exit)

 USER_INPUT choice

 IF choice == "Add Expense"

 USER_INPUT category, amount

 UPDATE expense_records

 ELSE IF choice == "Add Income"

 USER_INPUT category, amount

 UPDATE income_records

 ELSE IF choice == "View Budget"

 DISPLAY calculate_balance(expense_records, income_records)

 ELSE IF choice == "Exit"

 EXIT program

 ELSE

 PRINT "Invalid choice. Please select again."

END WHILE

END