Q1 CS Project – nacaytunaudtohan

**Title:** Pitaka+: A Financial Tracker App

**Problem Statement:**

* People, including me, sometimes find it hard to manually and accurately track and manage their finances, leading to poor financial decisions such as overbudgeting. A finance tracker and manager is required to record transactions, monitor your money and to make better and more responsible financial decisions.

We are aware of these circumstances:

1. Difficulty in keeping an accurate record on your financial activities.
2. Difficulties in making financial decisions.

**Project Objectives:**

1. To develop a financial tracker/manager that can accurately and precisely record and categorize your incomes and expenses.
2. To provide time-accurate monitoring of said data to help users to reflect and build on their previous financial decisions and activities.
3. To hopefully benefit the user’s financial state by also providing other features that focus on other areas of finance such as budgeting

**Planned Features:**

1. **Checking current balance**

* This feature aims to show you your current balance in either your checking or spending account or your savings account.

1. **Transaction Station**

* This feature aims to be where you can record your most current transaction into the archive, it asks you to enter the date of the transaction, to which account the transaction is linked to, on whether it’s an income or expense, and on the nature of your transaction, along with the optional choice to attach physical proof of your transaction.

1. **Transaction Archive**

* This aims to archive all the transactions you’ve recorded, arranged by date of transaction. If time permits it, this feature is also planned with a sub-feature of other filters to sort the transactions by.

1. **Balance Calculator**

* This aims to calculate the amount of time it will take to achieve a certain goal balance, with the consideration of various variables such as monthly income and monthly expense.

1. **Currency Converter**

* This aims to convert the amount of pesos you have into a widely-used currency, such as the Euro or United States Dollar.

**Planned Flow:**

Enter account username:

**Input:** Lionel

Enter password:

**Input:** 12345

Access granted.

Enter the service you want to avail:

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:** 2

Year of Transaction:

**Input:**2025

Month of Transaction:

**Input:**09

Day of Transaction:

**Input:**25

To which balance is this transaction attached to?

**Input:**Checking Balance

Is this an income transaction or an expense transaction?

**Input:**Income

How much pesos did you gain from this transaction?

**Input:** 500

What is this nature of this income transaction?

**Input:** Stipend

Would you like to add an image attachment of physical proof of your transaction? **Input**: no

Would you like to record another transaction?

**Input:** no

Service availed.

Enter the service you want to avail.

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:** 1

Which balance would you like to check (savings / checking)?

**Input:** checking

Checking Balance

**Input:** ₱500

Would you like to check your savings account balance?

**Input:** no

Service availed.

Enter the service you want to avail.

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:**3

What type of transaction would you like to examine? (income / expense / overall) **Input:** income

25/09/2025 Income ₱ 500 - stipend

Would you like to check out other archives?

**Input:** no

Service availed.

Enter the service you want to avail.

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:** 4

Enter monthly income:

**Input:**42000

Enter monthly expense:

**Input:**1260

Enter target balance:

**Input:**10000

You will achieve your target balance in 3.4 months

Would you like to use this calculator again?

**Input:** no

Service availed.

Enter the service you want to avail.

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:** 5

How much pesos do you wanna convert into?

**Input:** 500

What would you like to convert it to?

1. US Dollar (USD)
2. Euro (EUR)
3. Japanese Yen (JPY)
4. British Pound Sterling (GBP)
5. Australian Dollar (AUD)
6. Canadian Dollar (CAD)
7. Singaporean Dollar (SGD)
8. South Korean Won (KRW)
9. Chinese Yuan (CNY)
10. Hong Kong Dollar (HKD)
11. Qatari Dirham (QTD)

**Input:**1

The amount of money, 500 pesos, that you would like to convert is equal to 8.58 dollars.

Would you like to convert some more?

**Input:** no

Service availed.

Enter the service you want to avail.

1. Check Balance
2. Transaction Station
3. Transaction Archive
4. Budget Calculator
5. Currency Converter
6. Exit

**Input:** 6

Thank you for using this financial tracker, until we meet again!