Student Budget App

Terminal App Assessment | T1A3 (Coder Academy), 2021

By Nga Rampling

What is it?

❖ App << terminal (Ruby programming language)
❖ Gems (colorize)
❖ Error Handling
❖ Features (Method, While Loop, Class, EXTRA-json)
  ➢ User Input
  ➢ Output of list
  ➢ Output of chunk of text
  ➢ Select Options for navigational purposes
  ➢ ***Simple, Easy to understand Code Structure***

Student Budget App

What does it do?

➜ **What problem does it solve?**
Ensuring you don't fall into a pit of debt and can't get out!

➜ **Audience**
Fresh young adults, newly to independence and finance, and wants to enjoy life! Not be controlled by debts!

➜ **Evaluates and provides financial guidance!**
Get instant expert advices straight from your app

User Input

Takes input data, stores away for future use

```ruby
#Initialising Questions and Input
puts "What is your name?"
user_name = gets.chomp

def input_budget(name)
    puts "Hi #{name}, what is your expected income this week?"
    income = gets.chomp.to_i
    puts "What is your total expenses this week?"
    expenses = gets.chomp.to_i
    puts "Enter the amount of savings you'd like to achieve in this week's budget"
    savings = gets.chomp.to_i
    return income, expenses, savings
end
```

Output

Please review the information you have entered:
This week's income is $300.
This week's total expenses is $150.
You'd like to add $20 to your savings account.
Enter 1 to save & calculate budget
Enter 2 to start over

Feature No. 2
Outputs - Listing

```ruby
puts "Please review the information you have entered:".green
puts "This week's income is $#{weekly_budget[0]}."
puts "This week's total expenses is $#{weekly_budget[1]}."
puts "You'd like to add $#{weekly_budget[2]} to your savings account."

#2nd feature – Listing all entries and asking user to review.
#Present user with options to select.
puts "Enter 1 to save & calculate budget"
puts "Enter 2 to start over"
```

Feature No. 3
Selection of Options

Selecting Options

```
Enter 1 to save & calculate budget
Enter 2 to start over
2
Hi Nga, what is your expected income this week?
450
What is your total expenses this week?
150
Enter the amount of savings you'd like to achieve in this week's budget
30
```

Would be good to use tty=prompt here

Allows user to have options and navigate the app

```ruby
#2nd feature - Listing all entries and asking user to review.
#Present user with options to select.
puts "Enter 1 to save & calculate budget"
puts "Enter 2 to start over"

input = gets.chomp.to_i
if input == 1
    save_calc_budget(weekly_budget[0], weekly_budget[1], weekly_budget[2])
elsif input == 2
    weekly_budget = input_budget(user_name)
else
    puts "Please enter the number 1 or 2 only"
end
```

Evaluation & Output

- Takes the values from the user's input and puts them into a calculation logic process
- Evaluates the return (Consults)
- Professional financial advise
- EXTRA
  - Store users weekly results
  - Graph it out for monthly / yearly report

Challenges:

Personal Challenges:

- So many NEW materials
- Learn and apply the new materials quickly
- Overthink
- Catch up on my Learning Materials. May have watched the same video repeated.

App Building Challenges:

- So far… Classes & Objects: Linking up with arguments
- When to use:
  - Method
  - Class
  - While Loop
-

What is unfinished

- Gem > colorize
- Gem > tty-prompt
- Error Handling (User Friendly)
- Get the class to work!
- Compiling

Writing Documentation
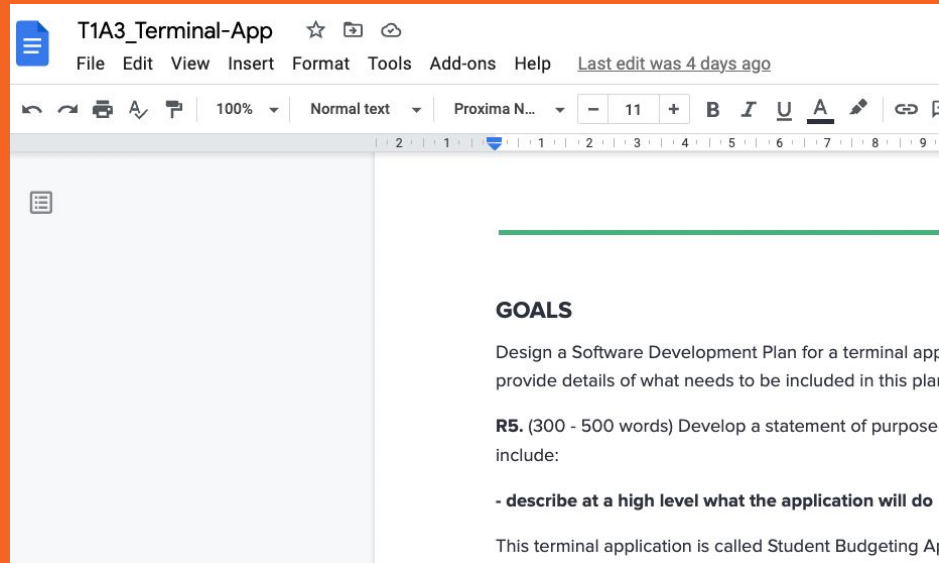
Trello Board - Project Management

To Do · · ·

Are you doing at least 20 git commits??
🔔 1 👁 🕐 13 Dec – 14 Dec ☰
💬 1

CODE 3rd feature (Output Recommendation)
🕐 14 Dec – 15 Dec ☰ ☑ 0/6

CODE EXTRA feature - recommendation list of items that can be purchased.
👁 🕐 15 Dec – 18 Dec ☰ 💬 1
☑ 0/6

Script to RUN the app
🕐 14 Dec – 16 Dec ☰ ☑ 0/2

CODE Error handling
🕐 17 Dec – 17 Dec ☰ ☑ 0/4

Executable file

Doing · · ·

[Example task]

README.md Document
🕐 11 Dec – 17 Dec ☰ ☑ 1/8

Flowchart (Lucidchart)
🕐 11 Dec – 15 Dec ☰ ☑ 6/11

Slide Deck Presentation
🕐 14 Dec – 16 Dec ☰ ☑ 0/17

CODE 2nd feature (Output List of answers)
🕐 13 Dec – 14 Dec ☰ ☑ 0/6

CODE 1st feature (Input & Questions)
🕐 12 Dec – 14 Dec ☰ ☑ 0/6

＋ Add a card

Testing · · ·

＋ Add a card

Done 🎉 · · ·

[Completed task]
🕐 11 Dec – 18 Dec ☰ ☑ 0/5

＋ Add a card
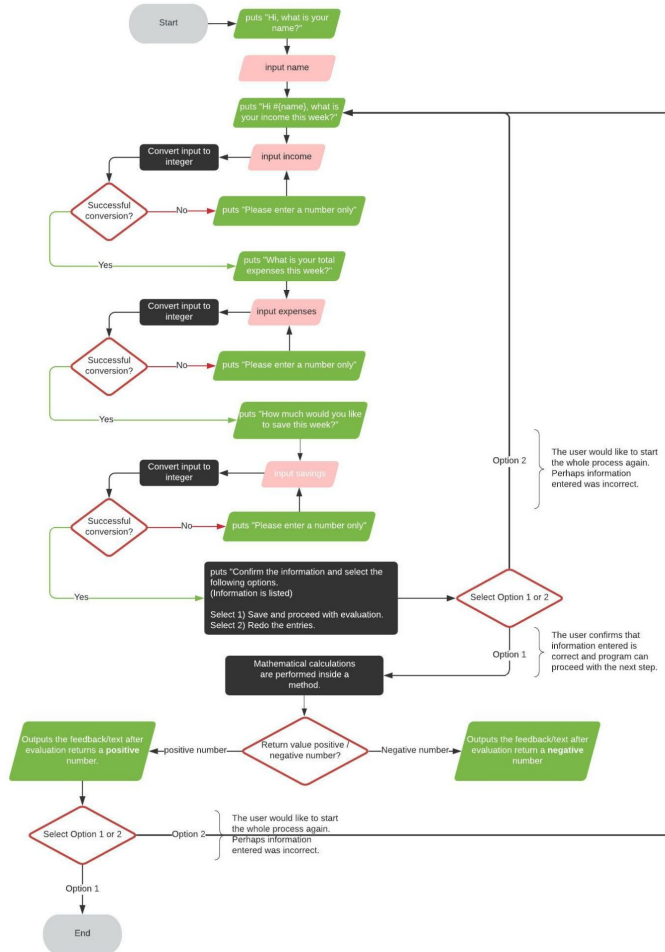
Flowchart

(Lucidchart)

Ethical Topic

- Financial advice legalities
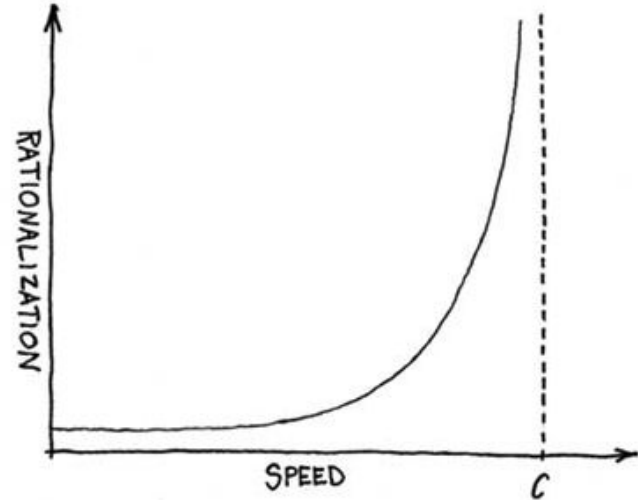 - Disclaimer
  - Legal Advice

Tip

A man <u>without ethics</u> is a <u>wild beast</u> loosed upon this world.

Albert Camus

(20th Century French Philosopher)

MORAL RELATIVITY

RELATED TO MORAL RELATIVISM, IT STATES THAT ETHICS BECOME SUBJECTIVE ONLY WHEN YOU APPROACH THE SPEED OF LIGHT.

THAT IS, IT'S OK TO BE SELF-SERVING, STEAL, AND ~~MURDER~~ AS LONG AS YOU'RE GOING REALLY, REALLY FAST.

(NOTE: THIS IS WHY RAP SOUNDS BETTER ON THE HIGHWAY AT 90 MPH)