

CODER ACADEMY

T1A3 - RUBY TERMINAL APP

PRESENTATION • 25 MAY 2021

a.sh.

AGENDA

- ABOUT
- WALKTHROUGH
- UI/UX
- PROCESS

DEFINING THE PROBLEM

Not every day is filled with rainbows and birds chirping in your surroundings.

People do have bad days, feel down, sad, discouraged or simply bored.

When they are not feeling positive, ***it is OK to be not OK***, it is part of being human that we have emotions.

HOW YOU, DOIN?

How You Doin? (HYD) is a terminal app that aims to provide entertainment to the user, in the form of jokes (dad jokes to be specific!) and also positive encouragements as a relief or comfort when they are feeling unwell emotionally.

HYD is inspired by Joey's famous pickup line from the sitcom ***Friends***

RESPONDING TO HOW YOU DOIN (FEELING)

Although Joey says it flirtatiously and cheekily, it never fails to make the other party laugh or smile every time he says it.

It will be ambitious to guarantee users to laugh after using the HYD app (especially with dad jokes!), they may groan, but at least they **respond** to it!

And hopefully, HYD can provide some sort of relief, comfort, or at least a smile and make the user feel better, and then be motivated to **respond** to any negative feelings they are currently facing, positively.

HYD FEATURES

01. RECORD USER'S LOG

- Log is created, saved and retrievable under a user's unique name/nickname to prevent potential duplicates and also to provide privacy
 - Log entry details include date, day and time of use
 - The last 5 entries of the log is displayed in a table, after the entertainment part and just before exiting the app
 - The log entries are for display only
 - The user has the options to choose their feeling in two stages
- There are two categories of feelings:
 - **Alert/Concern:** sad / stress / anxious
 - **Normal:** bored / average / happy

HYD FEATURES

02. RESPOND TO USER'S LOG

- After the user has entered the final entry of their log, and it is in the **Alert/Concern** category (sad / stress / anxious), the HYD app will respond by displaying a mental health facts and advice, just before exiting the app, including a helpline number

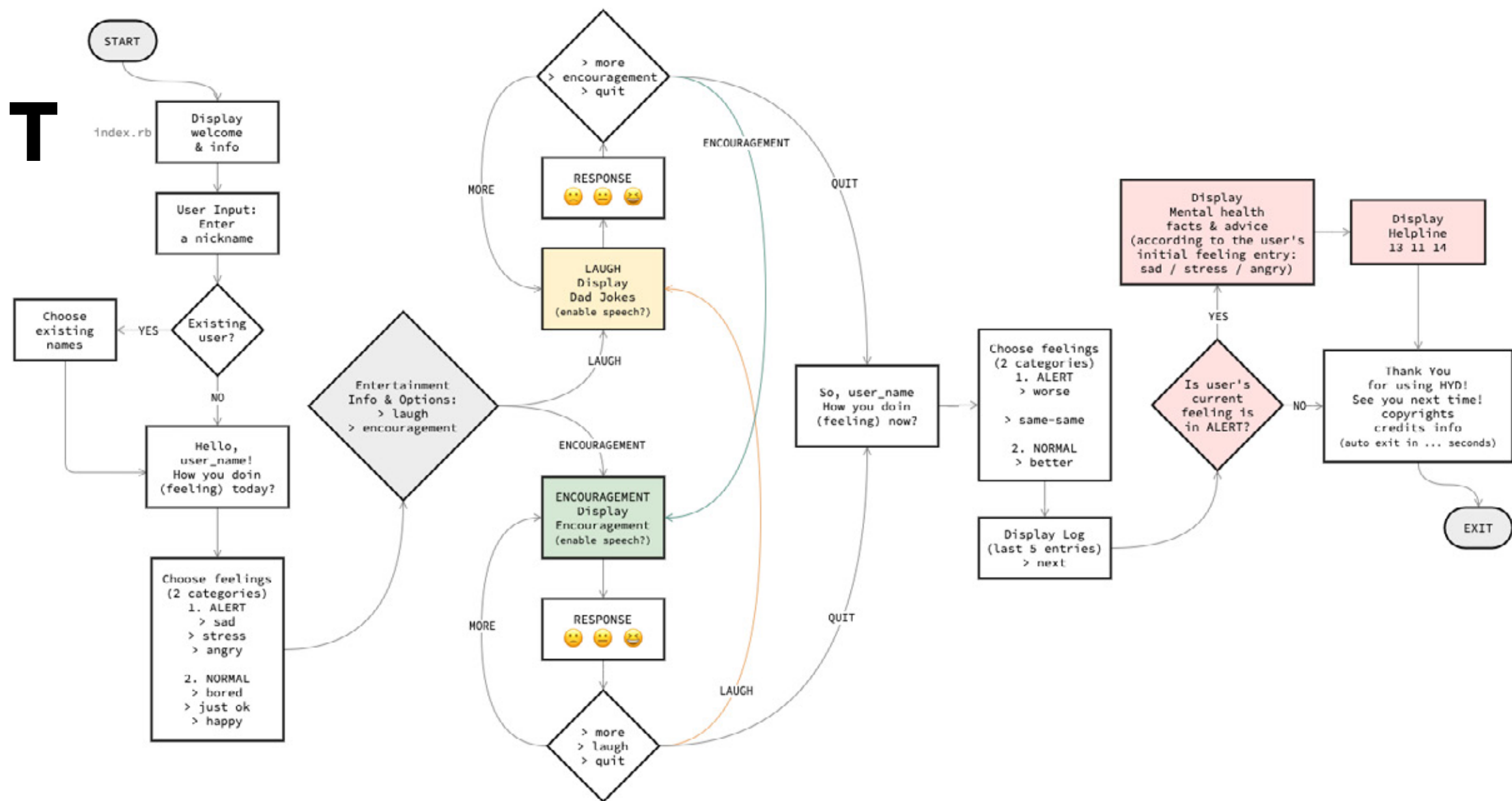
IT'S OK
TO BE
NOT OK.
& IT'S OK
TO ASK
FOR HELP!

HYD FEATURES

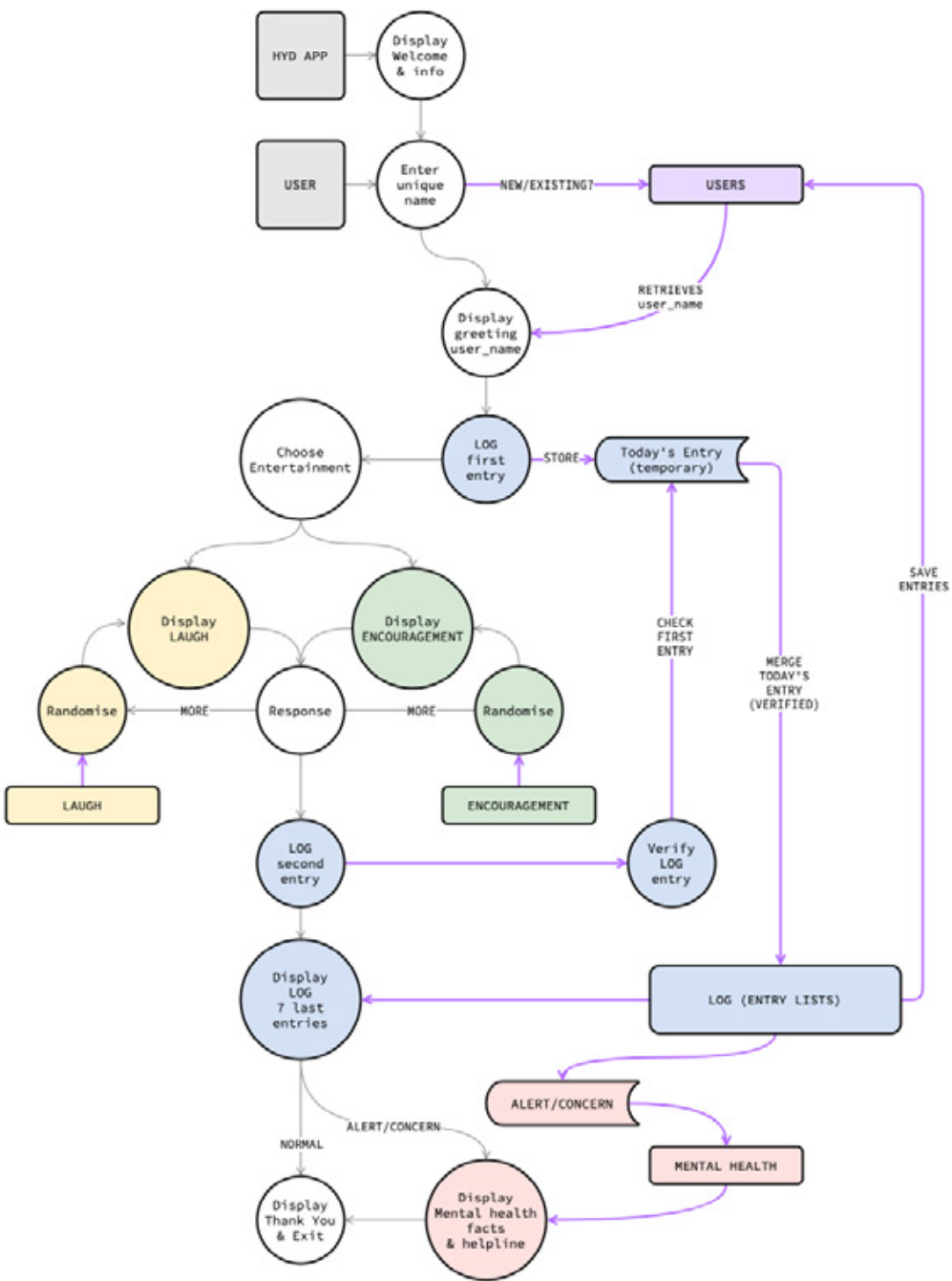
03. ENTERTAINMENT: LAUGH / ENCOURAGEMENT*

- The two main entertainment features are dad jokes and encouragements
- Both have the same features
- The user can generate the randomise dad jokes multiple times until they choose to switch to the other entertainment or call it a day
- The content can be spoken out with text to speech feature
- Hope to implement API for future development
- *At this stage, only the LAUGH is implementable.*

FLOW CHART



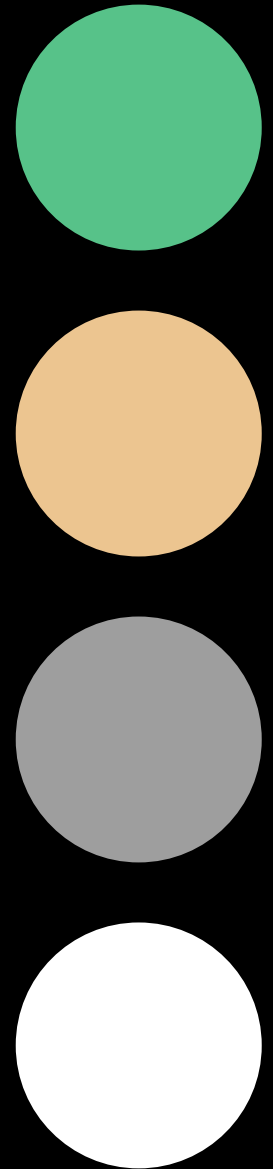
DATA STRUCTURE FLOWCHART



HYD FEATURES

UI/UX

- The tone of the app is positive, chill and friendly.
- The chosen words throughout the app will be sensitive and considerate.
 - For example, not using the word 'quit' to end the program, preventing any harmful negative thoughts for the worse-case scenario.
- For user interactivity, calming colours are used to help with the user's mood
 - **Green:** symbolizes nature, comforting color, attracts harmonious feelings and can diffuse anxiety and to help stay calm and refreshed.
 - **Yellow:** very positive color that makes you feel lively and energetic, and also signifies hope.



DEVELOPMENT PROCESS

```
ruby hyd_app.rb -help

How You Doin?

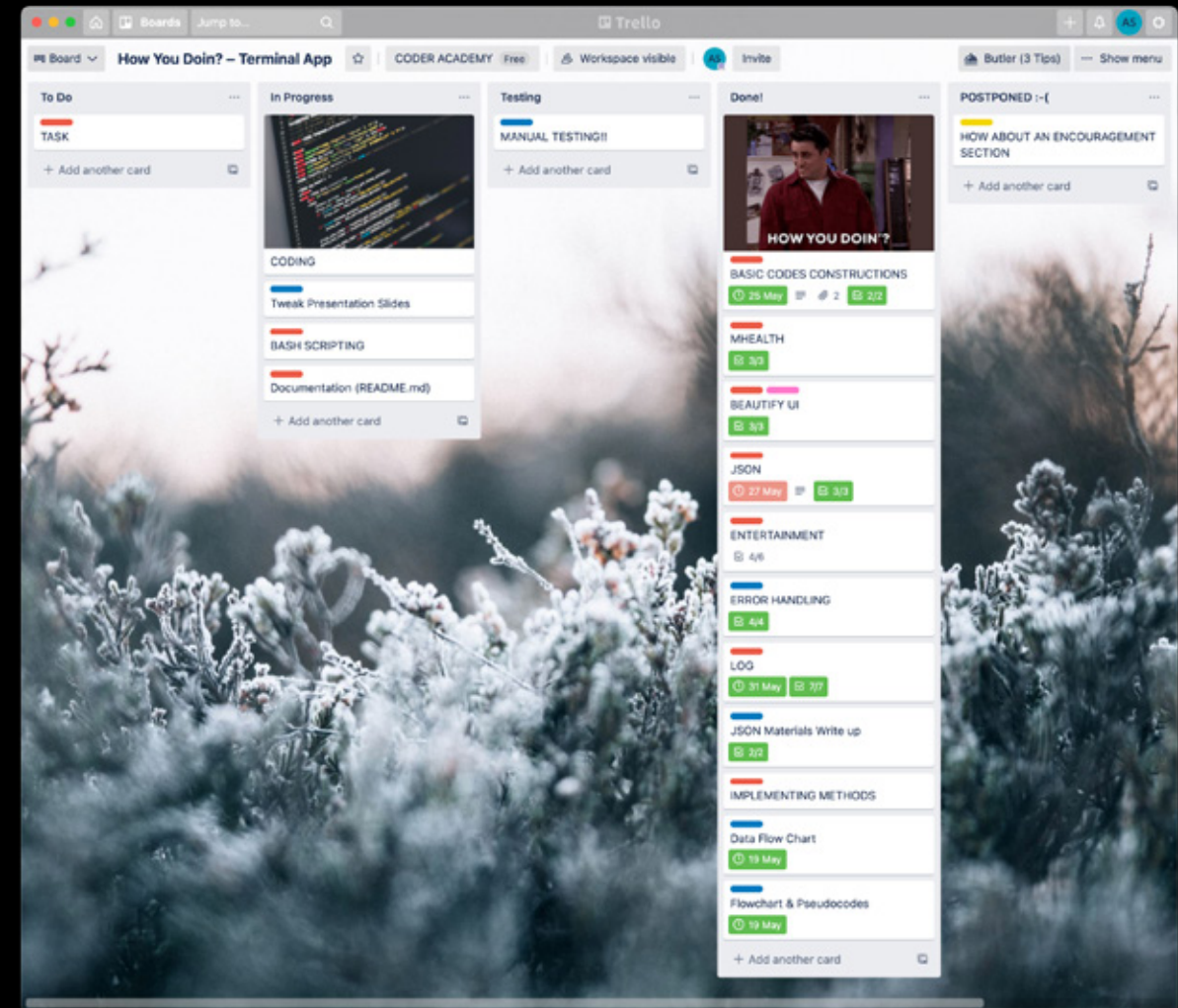
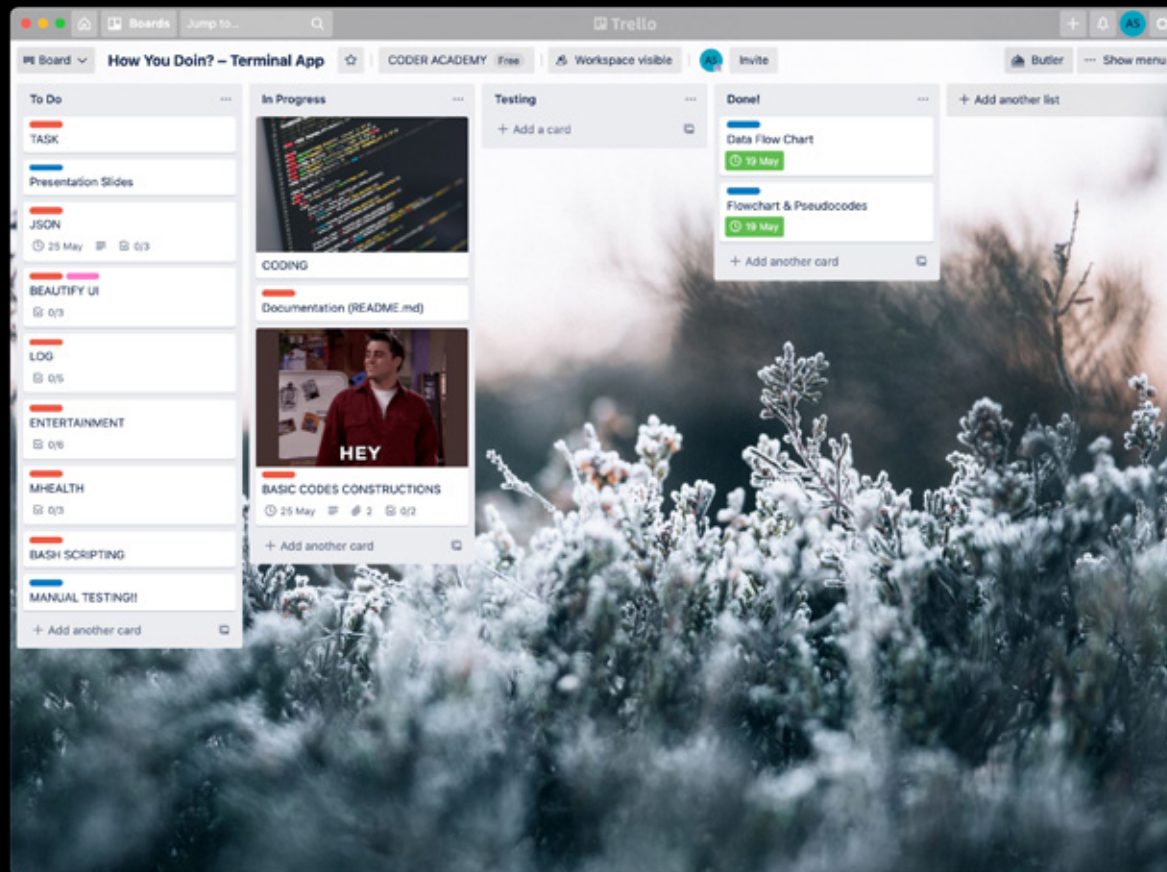
.. Welcome to the 'How You Doin?' (HYD) app ..

Before we begin, please enter a one-word nickname that
you can remember easily next time.

Choose a nickname > 
```

```
hyd_app.rb
22
23 # Ask user for nickname
24 greeting
25 print "Choose a nickname >> "
26 # Get user input
27 username = gets.strip.downcase
28
29 # Load / Create user -- fetch any existing user
30 def respond_user(username)
31   name = username.capitalize
32   linebreak
33   # If new user, display new_welcome
34   puts "(new) Hello, #{name}!\nGlad that you're here!"
35   linebreak
36   # For existing user, display welcome_back
37   puts "(existing) Hello, #{name}!\nWelcome back, glad that you're here!"
38 end
39
40 respond_user(username)
41
42 # Display info for log entry
43 def log_info
44   linebreak
45   puts "Every time you use this app,\n
46   a log will be created to check on how you doin.\n
47   The log is only accessible by you. So, make sure\n
48   to remember the name you've entered!"
49   # Ask how user's doing
50   linebreak
51   puts "Anyway... How you doin (feeling) today, #{username}?"
52 end
53
54 # Today's log entry
55 today = []
56 alert = []
57
58 # Options for user
59 # Store today's first entry in a hash
60 def log_first_entry
```

DEVELOPMENT PROCESS



DEVELOPMENT PROCESS

```

a-sh@a-shs-MacBook:~/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src
So, how you doin (feeling) right now, Apple?

-----
Right now, I feel: Happy
-----
Finalising your log entry. Your log entries will be displayed shortly...

> Press any key to continue
Traceback (most recent call last):
  10: from hyd_app.rb:62:in `<main>'
  9: from /Users/a-sh/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src/lib/use
r.rb:108:in `display_log'
  8: from /Users/a-sh/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src/lib/met
hods.rb:144:in `display_app_header_log'
  7: from /Users/a-sh/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src/lib/met
hods.rb:144:in `new'
  6: from /Users/a-sh/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src/lib/met
hods.rb:13:in `initialize'
  5: from /Users/a-sh/Desktop/_CODE/Assignments/T1A3 - Terminal App/public/src/lib/met
hods.rb:13:in `new'
  4: from /Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/gems/2.7.0/gems/tty-font-0.5.0/li
b/tty/font.rb:15:in `initialize'
  3: from /Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/gems/2.7.0/gems/tty-font-0.5.0/li
b/tty/font.rb:83:in `load_font'
  2: from /Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/2.7.0/psych.rb:577:in `load_file'
  1: from /Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/2.7.0/psych.rb:577:in `open'
/Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/2.7.0/psych.rb:577:in `initialize': Interrupted sy
stem call @ rb_sysopen - /Users/a-sh/.rbenv/versions/2.7.2/lib/ruby/gems/2.7.0/gems/tty-font-
0.5.0/lib/tty/fonts/doom.yml (Errno::EINTR)

```

HYD RUBY APP - Manual Testing

Last edit was 2 minutes ago

	A	B	C	D	E	F	G	H
	ID	Feature ID	Test Case	Test Data	Expected Result	Actual Result	Status	Comments
1	1	1.1	Testing as an existing user - check username	type in 'tester'	system check for existing user and load 'welcome back greeting'	existing user is greeted with 'welcome back'	passed	
2	2	2.1	Check if validation works when the user enters an username (only one-word without any symbols)	type in any symbols	warning message should appear that it's not valid and user not able to continue	expected result	passed	
3		2.2		type in any two words with spacing	warning message should appear that it's not valid and user not able to continue	expected result	passed	
4	3	3.1	When asked "How you doin (feeling) right, now?" Existing user picks a feeling that is in the alert category	pick 'Stress'	app should respond in accordance to 'alert' category	app responded accordingly, sympathetically and give assurance to the user	passed	
5		3.1	When user picks an option that is in normal category	pick 'Bored'	app responds with 'Let's get ready for an entertainment' and ask user to continue	app responded as expected	passed	
6	4	4.1	Dad jokes runs randomisation, when more is clicked, it should randomise	more option is picked for more than 10 times	dad jokes should be randomised as normal, loading spinner works	random run as expected	passed	passed with minor issues. Known issues: Errno::EINTR - I have investigated this, and already setup a rescue method, but sometimes this error still occurred. Not sure why
7	5	5.1	Under the random jokes section - when user picks 'Call it a day'	pick 'Call it a day'	a brief information is displayed about 'processing emotion' or responding to the dad-jokes for both normal and alert category. User is then asked to update their feeling to finalise the log	run as expected	passed	
8	6	6.1	User updates their feeling to finalise the log - normal category	pick 'Happy'	the last 5 entries are displayed, and then subsequently the thank you section is displayed.	run as expected	passed	
9		6.2	User updates their feeling to finalise the log - alert category	pick 'Sad'	the last 5 entries are displayed. The Mentalhealth object is then called, displaying the tips and advice to help user process their feelings. Help line then also displayed. When the user continues from the prompt, the thank you section is displayed.	run as expected	passed	
10	7	7.1	New user creation		backend responds by creating a new user.json file according to the name input. App also responds by displaying extra information about the app and how the app works.	app run and responded as expected	passed	
11								
12								

DEVELOPMENT PROCESS

CHALLENGES

- Logical thinking to solve problems
- The lack of practice has been challenging as my brain is too overwhelmed with too many information received at once
- Not really loving RSPEC (*YET*), unfortunately! Still getting uncomfortable when errors occurred.
- Overall, still unsure how to implement the coding to connect things in Ruby, but getting the hang of using classes now

EXPERIENCE

- This project has been interesting and also challenging in term of UI/UX implementation as we're required to be minimalistic without using much or no graphics to aid the aesthetics
- Ethically, (although it is part of the learning process), I still feel bad to read other people's codes and copy them! Sometimes I feel like a pro googler instead of a real programmer

FAVOURITE PARTS

- Creating the flowchart & data flowchart have been helpful to get me thinking logically
- Absolutely when everything is finally working! Especially the codes that I try to implement myself
- Successfull refactoring and making codes DRY
- Finding out how people are helpful and willing to help / share their knowledge and resources, if we ask

THANK YOU

ANGELINE HENTRI – (ANGIE SH)

a.sh.