Full-Time Integrations Challenge

Timeline

You have 48 hours to return this assignment. The expectation is you will spend no more than 2-3 hours on this assignment. If you find yourself spending more time than this, you can leave comments indicating what you would have done or areas for improvement in your code.

How we're evaluating this

What we're testing

- Your ability to understand API documentation from various sources and combine them into a working solution
- Your ability to demonstrate good coding practices e.g. DRY code, appropriately documented, well structured, SOLID. Don't just handle the happy path in your code

What we're not testing

- Your knowledge of a particular framework / library. Please use any object oriented language you'd like. If you have a strong preference for a non-object oriented language please let us know before you get started
- Your git workflow skills (i.e. your code can be added once your finished in 1 giant commit if that's easier for you)

What should you submit

- A link to a *private* github repository with your code. Please add **overtron, pllamena and Keweixu** as collaborators on the project so we can view your submission.
- The repository should have a README.md file at the root with the following information
  - How to run your code
  - A Loom video(s) or some other screen cast showing your application solving the challenge listed below

The Challenge

The challenge consists of creating an application to interface with a slack application

Setup

Create a slack workspace that you can use to do the test so you have full permissions.
https://slack.com/help/articles/206845317-Create-a-Slack-workspace

Part 2

Important Note: You should *not* use the Slack SDK for the below work. We want you to create the API calls yourself.

Create a command, form or endpoint (depending on how you've chosen to build your application) that selects a random user from the available users in the workspace. It then chooses a random channel from the channels the user is a part of and displays up to 10 messages from that channel (it will display fewer if there are fewer available).

Part 3

Create a command, form or endpoint (depending on how you've chosen to build your application) that when given a single name, uses the Incoming Webhooks feature of Slack to post related names to a channel in your Slack workspace. Your source for the related names will be Behind the Name API.

When asked by the API about a description of your business you can put something like "Creating a toy app".

Questions

If something isn't clear, feel free to reach out and ask.