Kleene API Support Engineer Test

The Challenge:

To get a taste of the role you are applying for at Kleene you are going to scope the build of a Snapchat Advertising connector. This connector will allow any Kleene user who has a Snapchat Business account to sign in using their login credentials and ingest data about their adverts from their Snapchat Organisation into their data warehouse. To do this you will need to set up a multi-tenanted oAuth Snapchat application.

Do not panic if you are not familiar with the oAuth process. It is explained well online and Snapchat has very good developer documentation to guide you through this process.

[Snapchat Marketing API Documentation](#)

Please document ideas, learnings, discoveries and issues you encounter along the way beneath the relevant task below. If you are not able to complete some of the tasks below it does not mean you have failed the test, give it your **best** effort and document what you tried and where you got stuck. Make sure you save your requests/code so we can review it during the interview and attach this document (with your responses) in response to the email.

Tasks:

1. Create a Snapchat Business Account at https://ads.snapchat.com/ and create a new Organization (you can call it whatever you like).

2. Follow the Snapchat Marketing API documentation linked below that will instruct you how to obtain the necessary credentials to send API requests.
   https://marketingapi.snapchat.com/docs/?utm_source=developers_snap_com&utm_medium=global_header&utm_campaign=universal_navigation#introduction

3. Once you have the necessary credentials, test that you are able to successfully make API requests. You can send your API requests from an IDE or the API platform of your choosing. We use and recommend using Postman.
   https://www.postman.com/

4. Please invite me ben.ridley@kleene.ai to your Snapchat Organisation. You can do this from the members section of your Organization or you can do it using an API request ;)

5. Enter below the response of the Get all Members of an Organization (both your user and my user should be present).

6. Our customers want to decide whether the resources they are spending marketing on Snapchat are worthwhile and how they could be optimized. They are going to use the connector we are building to ingest some of the data Snapchat makes available via this API. Outline below what data we should make available in our connector. Think about the following questions:

   Which requests should be sent to retrieve the data clients are likely to find most valuable?

   How can we deal with the tradeoff between usability and flexibility such that users (who lack technical expertise) are easily able to ingest all the data that is relevant for the analysis they will do?

   What issues might come up when using the connector and how should we prevent them?