This test will last 2 hours
Your solution will be evaluated based on code style, design, correctness and efficiency.

GOALS:

1) Build a Campaign List
2) Build a Dashboard

Campaign List Specs:

1) Should fetch the campaigns, list their ids and names
2) Clicking either the id or the name should take you to the Dashboard for that campaign (i.e. with cid set to its id)

API Endpoint: localhost:3000/campaigns

Dashboard Specs:

Dashboard should ping server every 5 seconds to get new data for a given cid (clicked in the list).
Start by passing a query param of number=0, and increment it for every ping.

Dashboard should include tiles for:

1. Total Impressions
2. Total Clicks
3. Total CTR
4. Total Users
5. A Simple Moving Average of last 10 data pulls impressions (details at end of this document, if you don't know what one is)
6. Current Number (iteration/pull #)
7. Most Recent Impressions
8. Most Recent Clicks
9. Most Recent CTR
10. Most Recent Users

API Endpoint: localhost:3000/campaigns/:cid?number=num

Endpoint Description: cid is an id from campaign list, num is an int >= 0

BONUS POINTS (Not necessary):

~ Add crude graphs or any other visualization
~ Make the SMA size a user-input (e.g. let the user choose 10, 20, 50, 100, 200...)

Simple Moving Average:
https://en.wikipedia.org/wiki/Moving_average

$$SMA = \frac{p_M + p_{M-1} + \cdots + p_{M-(n-1)}}{n}$$

e.g.: `(data[10] + data[9] + … + data[0]) / 10 `