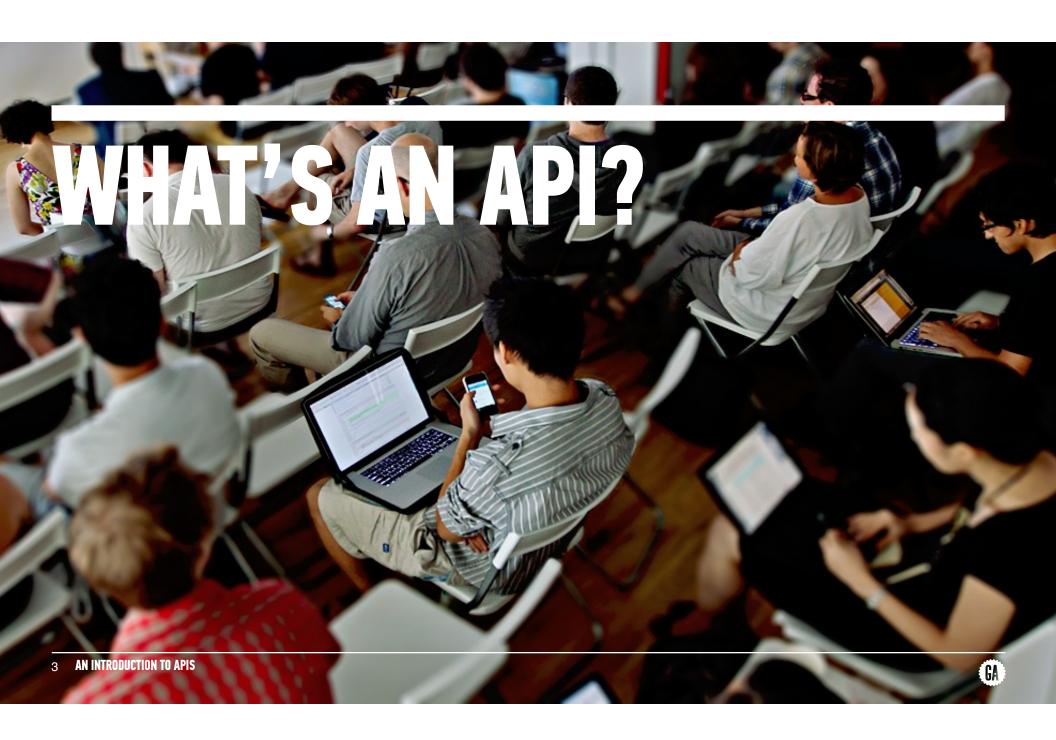


## **Objectives**

- Students will be able to...
  - describe an API
  - reference examples of an API
  - create their own API
  - integrate data from an (RESTful) API
  - name at least 3 minions:)



• Application Programming Interface...

- Application Programming Interface...
  - Application's Programming Interface

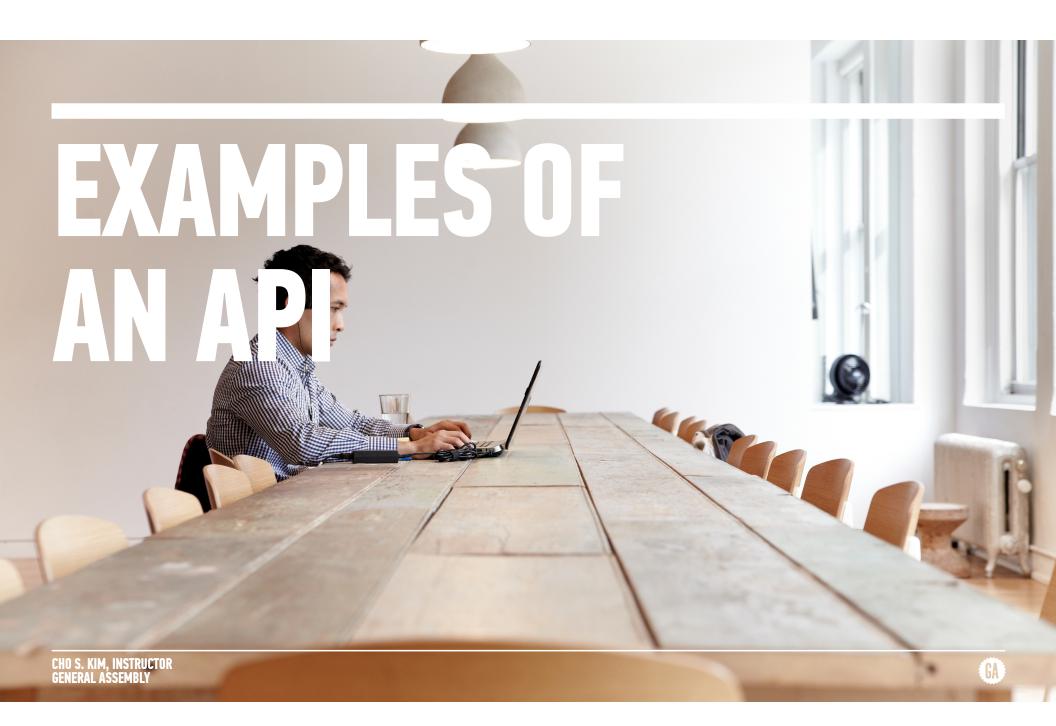
- Application Programming Interface...
  - Application's Programming Interface
  - An Application's Programming Interface

- Application Programming Interface...
  - Application's Programming Interface
  - An Application's Programming Interface
  - An Application's Programming Conversation

- Application Programming Interface...
  - Application's Programming Interface
  - An Application's Programming Interface
  - An Application's Programming Conversation
  - An Application's Planned Conversation

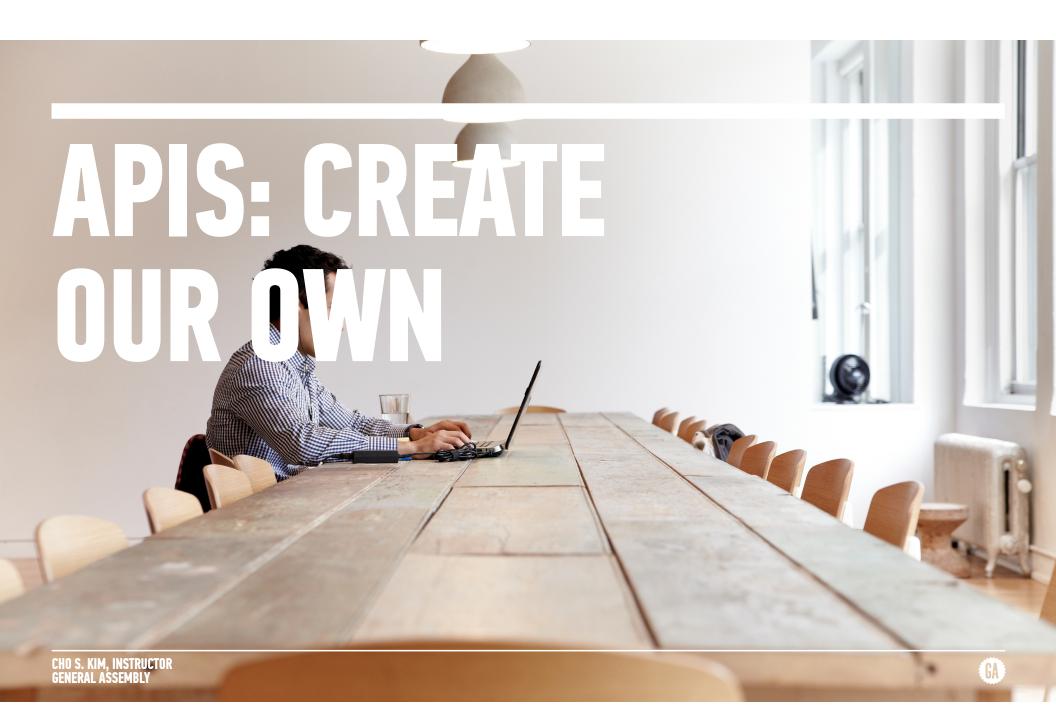
- Application Programming Interface...
  - Application's Programming Interface
  - An Application's Programming Interface
  - An Application's Programming Conversation
  - An Application's Planned Conversation
  - An Application's Planned Communication

- Application Programming Interface...
  - Application's Programming Interface
  - An Application's Programming Interface
  - An Application's Programming Conversation
  - An Application's Planned Conversation
  - An Application's Planned Communication
  - An Application's Planned Communication (with other Applications)



#### **EXAMPLES OF AN API: API**

- Application Programming Interface...
  - OMDB
    - http://www.omdbapi.com/?t=rocky
  - Indeed
    - <a href="http://api.indeed.com/ads/apisearch?">http://api.indeed.com/ads/apisearch?</a>
      publisher=8650987609254119&q=javascript&l=philadelphia&v=2&f
      %20&format=json



#### **EXAMPLES OF AN API: API**

- **→** New Concepts:
  - more than one instance of an Express application
  - request module

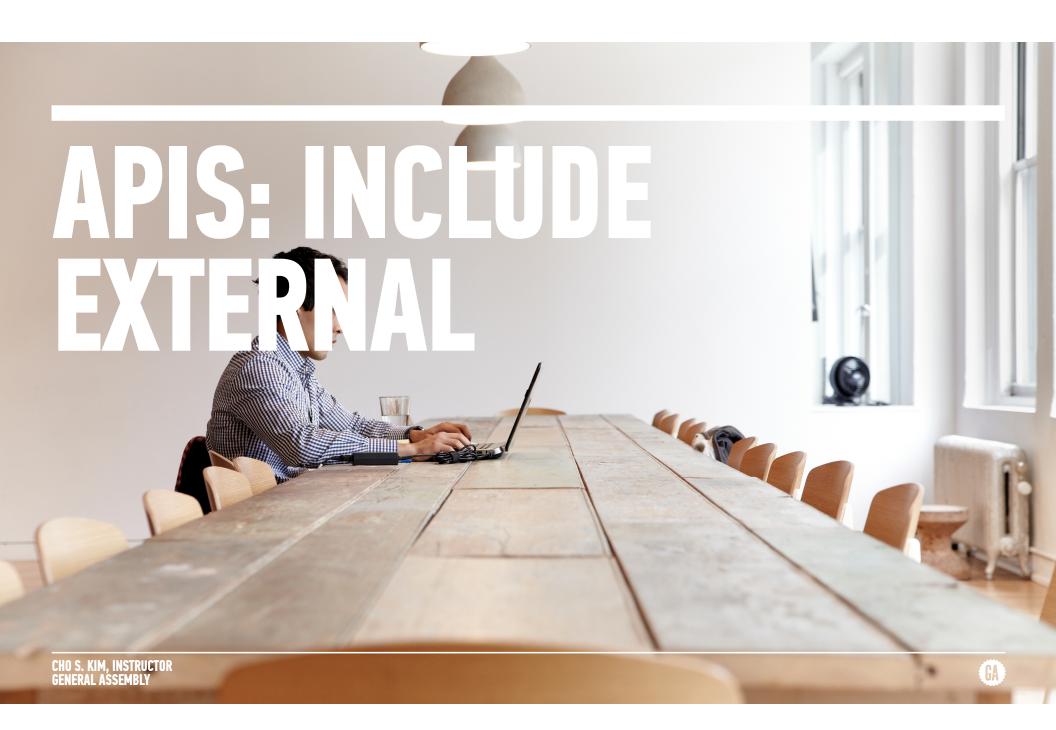
#### **EXAMPLES OF AN API: API**

#### ▶ New Concepts:

- more than one instance of an Express application
- request module

#### • Exercise: Minions API

- create two Express applications
- require the request module
- have an app contain a URL that returns an array of minions in JSON. Find a list of properties here: http://visual.ly/whos-who-minions
- have the other application send a GET request to the first application with the URL containing the minions JSON. Add yourself to the list of minions and then display the list.



## **Including External API:**

- **→** New Concepts:
  - developer's section for using APIs
  - query parameters

## **Including External API:**

- New Concepts:
  - developer's section for using APIs
  - query parameters
- Exercise: OMDB API
  - create an Express application
  - •use the OMDB API
  - create a form with a text input that accepts the name of a movie. When a user clicks submit, return to the user the list of movies with that title.

## **Objectives**

- Students will be able to...
  - describe an API
  - reference examples of an API
  - create their own API
  - integrate data from an RESTful API
  - name at least 3 minions:)

# THANK YOU.

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