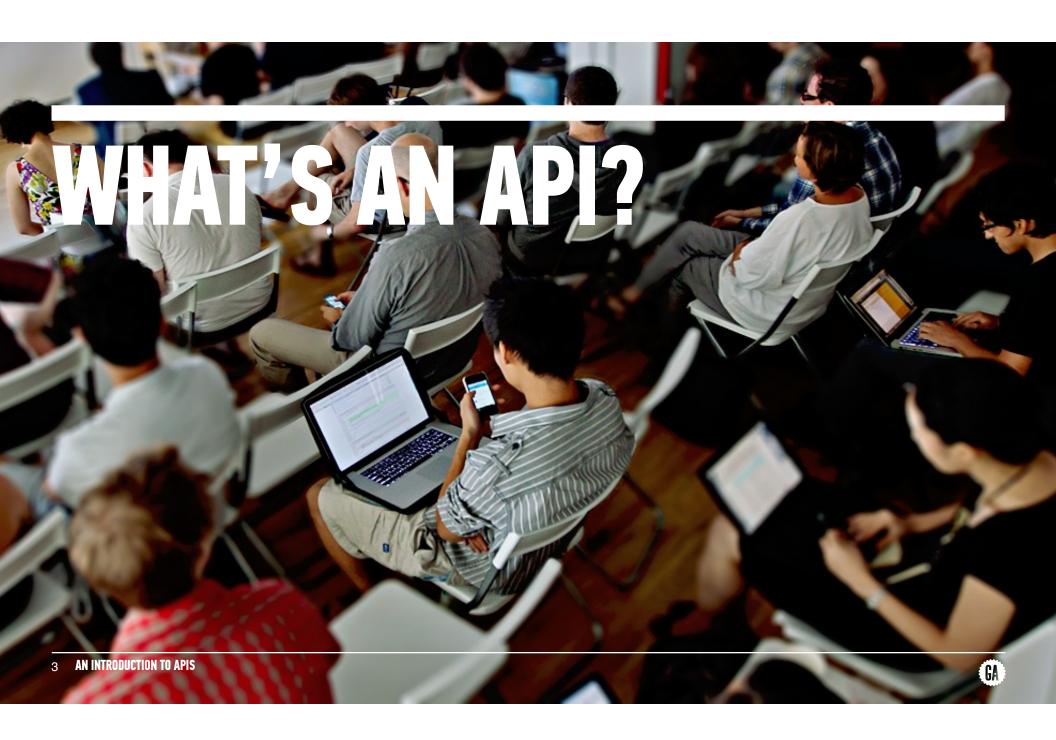


Objectives

- 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

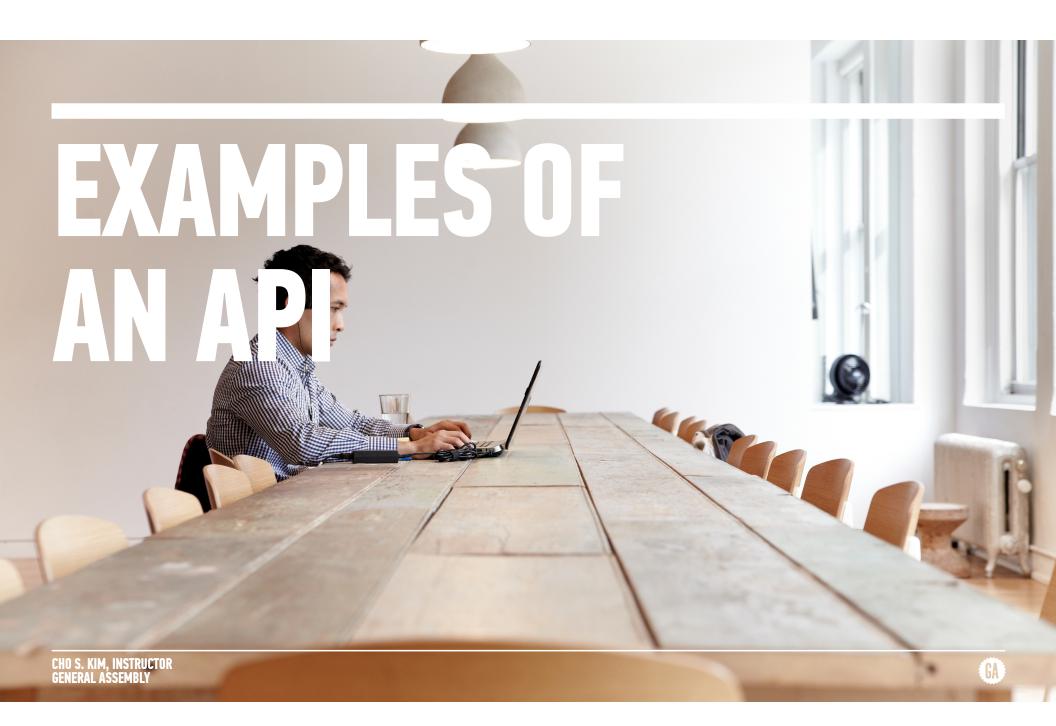
- Application Programming Interface...
 - Application's Programming Interface
 - An Application's Programming Interface

- 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

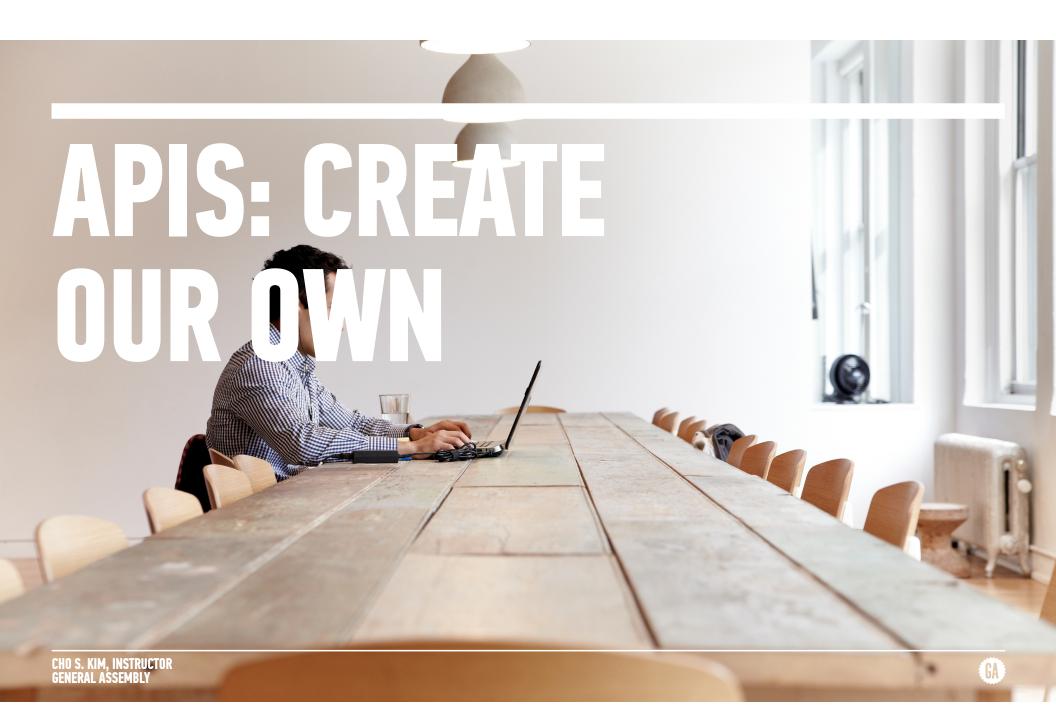
- Application Programming Interface...
 - Application's Programming Interface
 - An Application's Programming Interface
 - An Application's Programming Conversation
 - An Application's Planned Conversation
 - An Application's Planned Communication

- 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
 - http://api.indeed.com/ads/apisearch?
 publisher=8650987609254119&q=javascript&l=philadelphia&v=2&f
 ormat=json



EXAMPLES OF AN API: API

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

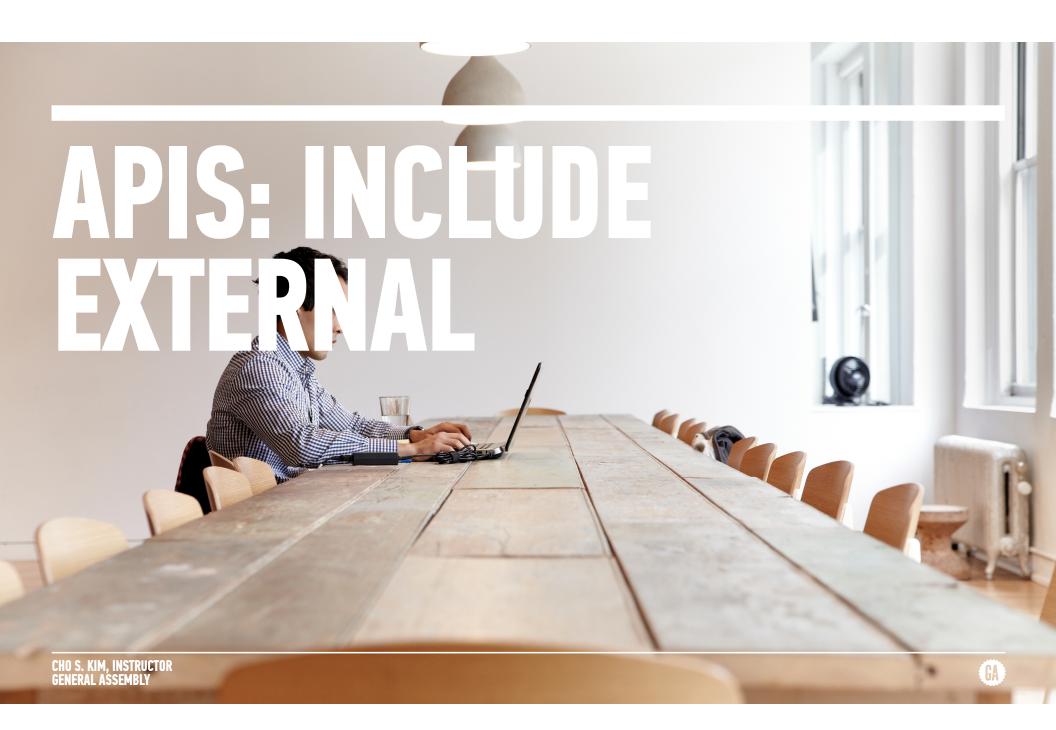
EXAMPLES OF AN API: API

▶ 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
- 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.

Including External API:

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

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.

- Cho S. Kim
- www.choskim.me
- cho@ga.co