ASSIGNMENT 1: BIKESHARE TORONTO SEARCH

MARKING

- Does it work? 50%
  - Partial points for each part
- Clean code: 30%
  - Code abstracted into functions where appropriate, clear variable names and flow, simple but elegant, comments, etc
- Style: 20%
  - Should use CSS / layout and pay attention to User Experience

THE ASSIGNMENT

- Using bike station data and the Google Maps API, we will create a web app where a user can enter their current address to find the closest bike station with available bikes.
- The bike data will be made available on a server that I will setup since the Toronto Open Data does not provide an endpoint that supports CORS.
- This will make use of almost all the functionality we have learned up until now.

REQUIREMENTS

- The expected flow for the app is as follows:
  - App fetches current bike data
  - User enters their current address
  - A map with the 5 closest bike stations (in terms of walking distance) that have available bikes are shown. InfoWindows with number of bikes available should be shown
  - A legend/table listing the stations and addresses should also appear on the page
  - Add one additional feature the uses part of the Google Maps API / JSON data (can be an API we haven't covered)

SERVER DETAILS (FOR INFORMATION ONLY)

- Hosted on digitalocean.com
- Server is written in JS (running on node) and using the Koa web framework.
- Code is available on the course github repo if you want to look at it.
- Code essentially fetches bike data every 6 hours, filters out what we need for the assignment, and provides that via a REST endpoint.

BIKESHARE DATA AND DOCUMENTATION

- http://www1.toronto.ca/wps/portal/contentonly?vgnextoid=ad3cb6b6ae92b310VgnVCM10000071d60f89RCRD