

# Code Challenge

Create a single-page web application that takes an artist from the user and returns details about the artist and their events. The aim of the code challenge is to be able to understand the decisions made in building a web application. Focus on the requirements first and if you have extra time feel free to add bonus features. In the end we will review your submission in terms of its readability, architecture and creativity.

## Requirements:

Create a web application using html, css and js along with any framework/libraries of your choice. The web application being created will be used to take an artist and show details about the artist and their events.

The application should contain at least the following UI:

- A way to input the artist's name.
- Show results based on the input of the artist's name:
  - Artist Name
  - Artist Picture
  - Artist Facebook URL
  - Artist Events
    - Event Venue
    - Event City
    - Event Country
    - Event Date
- Unit tests of your JS code
- Styling

Provide any necessary instructions we will need to be able to run and test your project.

## API:

Bands in Town has a an API available with documentation at:

<https://app.swaggerhub.com/apis/Bandsintown/PublicAPI/3.0.0>

### Note:

- Providing the **app\_id** is required by the api on every request, it can be any string.
- Base URL for the end points can be found at the top of the documentation page.

## Submission

Utilizing one of the easiest ways to track your changes and work; please create a git repo on Github and share the link upon completion. To create a semi-anonymous submission please do not include KeepTruckin in the name of your repo. We ask that you to erase your Github project after the interview process is over. Please include a readme file describing your architecture and design decisions, along with anything else you'd like to draw our attention to.

## Bonus Features

Here are some suggestions to make the app even better.

**Cache** - Persist the last entered artist and events across browser reloads/refreshes

**Creative?** - Think of a cool feature? Add it!

**Deploy** - Include a deploy strategy for your app.

## General Tips

- Use any familiar frameworks or libraries to speed up development, don't worry about implementing everything from scratch.
- Feel free to use a cli generator tool to get started quickly, something like create-react- app, ember-cli, angular-cli or vue-cli for example.
- There are low fidelity mocks attached. You may use them for general direction, but it is not mandatory to follow the recommended design.

## Questions?

If there are any questions, please reply to the email containing this assignment.

... Have fun and good luck!