

Goal

The goal is to create a modern web application or API that displays and interacts with data from the supplied data set. The time constraint for this project is 3 days.

We will be using The Cocktail DB for our API/data source (www.thecocktaildb.com). Using this data, you will need to create **either**:

- A web app that allows users to view, sort, and filter cocktails using the supplied data parameters
- A wrapper API, that abstracts the ability to paginate, cross-ingredient filter, and create new cocktails

The goal here is **not** to build both, but rather give you a choice if you want to focus more on back-end functionality or front-end.

Web Application - Requirements

The more fluid and interactive the functionality the better. Condensed logic, state management layers, etc. are encouraged, but be mindful of the time constraint. It is encouraged to jot down ideas to enhance the deliverable for further discussion with the team that you did not have time to explore within the time constraint.

The majority of the interface design and functional details are left up to you, but there are a few set requirements:

Functionality

- Must be able to filter on category, name, ingredient, etc.

Technical

- Use one of the latest/relevant JavaScript libraries (e.g. Angular, React, Vue)
- Must be executable in delivery form
- Use at the very least one dataset API provided above
(<https://www.thecocktaildb.com/api.php>)

Testing

- Should have an executable testbed, with some testing code coverage

API (Backend) - Requirements

Focus here on two main pieces of net-new functionality - the ability to filter on multiple ingredients and categories at once, as well as the ability to perform simple CRUD actions for net-new cocktails. Authentication here can be considered or skipped, no matter. Persistence means (to local filestore, via database, etc.) are up to you, but be mindful of the time constraint. It is also encouraged here to note ideas to enhance the deliverable for further discussion with the team that you did not have time to explore

Again, the majority of the interface design and functional details are left up to you, but there are a few set requirements:

Functionality

- Must clone the current API functionalities - filter on category, name, ingredient, etc.
- Must allow creation, reading of, updating, and deletion of new cocktails to be delivered to consumers of the API

Technical

- Use latest/relevant backend languages, frameworks, libraries (we largely use NodeJS + Express at EI)
- Adhere to a common API standard (REST, Graph)
- Must be executable in delivery form
- Use and model further actions off of the API provided above (<https://www.thecocktaildb.com/api.php>)

Testing

- Should have an executable testbed, with some testing code coverage

Delivery

Upon completion, the project must be pushed to a remote Git repository (Github, Gitlab, etc) and publically accessible for us to review. Additionally, it must include a README doc explaining how to get the project up and running.