



TTT Studios / React - Code Challenge

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Functional requirements

For this assignment, you will be consuming the **Open Brewery DB APIs** (<https://www.openbrewerydb.org/>)

Create a landing page with the following components and actions.

1. An **Autosuggest Input Field** for global search which fetches the list of suggestions based on search term when the user types (needs to be debounced) and the suggestions need to be rendered as a dropdown which on click will do a client side redirect to the brewery details page.
2. **Paginated Table** populated by the relevant API with the following columns (default page size 15):
 - Brewery Name
 - Type
 - City

- Country
- Link to Website URL
- Phone Number

3. A **Filtering Panel** positioned above the table comprising:

- An **Input field** for filtering by name.
- An **Input field** for filtering by city.
- A **Button** labelled Go which retrieves the filtered list based on the values provided in the above inputs **asynchronously**.

4. When clicking on the populated Brewery Name row item should do a **client side redirect** to a details page.

Create a details page with the following components and actions.

1. A **Details View** with details for selected brewery fetched **asynchronously** to populate the page. This should contain the following information:

- Brewery Name
- Brewery URL
- Street
- City
- State/Province
- Postal Code
- Country
- A google map render with the provided coordinates (Bonus)

Evaluation Criteria

While we review your code, we will take in consideration the follow criteria:

1. Architecture and component hierarchy.
2. Minimal use of third party dependencies.
3. Modularity and readability.

4. Documentation.
5. Bonus points for responsive web design

Suggested tools and approach

Here are some suggested tools and frameworks we recommend using. We're familiar with this stack and it will make the review process much easier.

1. [React App](#) as the starter kit.
2. [ESLint](#) with a style guide of your choice.
3. [React Router](#) for client side routing
4. [Redux](#) for state management
5. [RTK-Query](#) or any third party abstractions for AJAX calls.

For CSS, you can use the framework of your choice.

Finished work

When the project is completed, please send it with copy to Gokul (gokul.kumar@ttt.studio).