



# 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](mailto:gokul.kumar@ttt.studio)).