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Question: Develop a frontend based upon ReactJS/AngularJS to perform a free text search of the recipes in the backend and display on the web UI, with client-side sorting and filtering.

Category: Frontend UI

Tags: Recipes UI, REST API

PreCondition: "Recipes Question for Backend – 002" has been solved and the REST API endpoints to fetch the recipes on various criteria are working.

Develop the frontend app to display a global search bar (just like the one on the Google.com home page) on the default page.

The frontend user should be allowed to enter the recipe's *name* and/or *cuisine*. Upon entering the first 3 characters, when the user clicks on the enter key or clicks on the search icon in the search bar, the frontend app calls the backend API, which in turn makes the free text search to fetch all the recipes matching the partial text entered by the user.

The frontend should display the recipes in a grid format on the list/default page. Pick and choose the recipe's attributes to be shown.

User should be able to sort the grid results at client-side (i.e. without making any backend API call) based upon *cookTimeMinutes* in ascending or descending order.

User should be able to filter the grid results at client-side (i.e. without making any backend API call) based upon *tags*.

Fire your imagination to design the UI pages.

Expectations:
1. The code should follow clean code practices
   a. Atomic design
   b. Exception Handling
   c. Environment Layering
   d. Unit testcases & Code Coverage
   e. Externalized config parameters, if any
   f. README.md file to describe the frontend and steps to build and run it
2. The frontend UI app should be developed as single page app.
3. The frontend UI app should demonstrate the responsive design features.
4. The frontend UI app should demonstrate lazy loading techniques, as applicable.