



Frontend Homework

Prepare a simple Single-page application using React. This application will enable users to navigate through a list of Keboola's public components. It includes two main routes: the **Homepage** and **Component Detail**. The application should be user-friendly and visually appealing.

Requirements

1. **Homepage:** Upon accessing the page, the application will load and display the available components, including each component's icon, name, description, and categories.
2. **Component Detail:** When a user selects a component from the homepage, the application will direct them to the Component Detail page. This page will showcase the same information as the homepage, along with an extended description (available in Markdown format) and the component's version.
3. **Component Detail:** Implement a distinct URL for each Component Detail page, enabling users to share direct links to specific component details.
4. **Homepage:** Allow users to search components by ID, name, and short description.

Technical Requirements - Must haves

- Utilize React for the application framework.
- Do not use Next.js.
- Implement routing (as per the third requirement) with a routing solution of your choice.
- Use Typescript.
- Refrain from using plain CSS for styling; opt for an alternative styling approach.
- Use a store concept to manage data retrieved from the API.

Nice to haves

- Implement lazy loading for component images as the user scrolls.
- Add loading indicators.
- Enable filtering of components by type and category.
- Incorporate additional functionalities or data display options that you find beneficial.
- Optimize the application for initial loading speed.

Workflow requirements

- Employ Git for version control.
- Commit functional parts of the application; ideally, each commit should introduce some value or functionality.
- Craft meaningful commit messages, avoiding vague terms like 'WIP' or 'Fix'.
- Upon completion, push your code to the provided repository for review.

Sources

- Our Developer Portal public API:
 - API is located at <https://apps-api.keboola.com/>
 - Categories are stored in the `categories` field
 - List of public components: [Keboola Developer Portal · Apiary](#)

- Component detail: [Keboola Developer Portal · Apiary](#)

- React: [React](#)

- TypeScript: [JavaScript With Syntax For Types.](#)