## Technology

According to your requirements, React is a good choice. React is a popular JavaScript library known for its efficient rendering, component-based architecture, and vast ecosystem of libraries and tools. To further meet your requirements for minimalist code, speed, and ease of maintenance, here are some key points regarding React:

1. **Minimalist Code:**

* React promotes a declarative and component-based approach to building user interfaces, which leads to cleaner and more organized code.
* React components are modular and reusable, allowing you to create self-contained units of functionality with minimal code duplication.
* React's virtual DOM efficiently updates and renders only the necessary parts of the user interface, resulting in optimized and concise code.

**2. Fast:**

* React's virtual DOM efficiently updates and renders the UI by comparing the previous and current states, minimizing the number of actual DOM manipulations.
* React incorporates a diffing algorithm that optimizes the rendering process, resulting in faster updates and improved performance.
* React allows for efficient data flow and state management, enabling you to implement performance optimizations like memoization and lazy loading.

**3. Easy to Maintain:**

* React's component-based architecture promotes reusability and modularity, making it easier to maintain and update codebases.
* The unidirectional data flow in React ensures a clear and predictable flow of data, making it easier to debug and understand how changes propagate through the application.
* React has a large and active community that provides support, resources, and third-party libraries, making it easier to find solutions to common problems and stay up to date with best practices.

## Design

Great! We will proceed with using the CoreUI template as per your preference. It's a popular and feature-rich template that will provide a modern and professional design for your web application. We can leverage its pre-built components and customization options to create an interface that aligns with your project's branding. Thank you for your input, and I will ensure to implement the CoreUI template effectively in the development process.

However, please **note** that the free CoreUI template doesn't include built-in functionality for **sorting, filtering, and pagination in tables**. But not to worry! We will develop these features as custom solutions specifically tailored to your requirements.

Based on the provided project description, here is a proposal for the implementation:

1. **CoreUI template integration:**
2. **CoreUI template**
3. **API Integration**
4. **Security**
5. **login.html:**
   * Create a login page with two textboxes and button.
   * Add a button that, when clicked, will authenticate the user by calling an API.

6. **index.html:**

* + This page will be used later in the project and currently remains empty.

7. **project\_index.html:**

* + Implement a page to list all projects.
  + Display the latest created projects in a grid format.
  + Include columns for project details such as title, code, category, business sector, age group, language, gender, host, domain, theme, description, and a button for further actions.

8. **project\_edition.html:**

* + Create a page for creating or editing project information.
  + Determine whether the page is in creation mode or edit mode based on the existence of the project (determined by an API call).
  + Include input fields or dropdowns for each property of the project model, including title, code, category, business sector, age group, language, gender, host, domain, theme, and description.
  + Add a "SEND" button that will trigger an API call to either create or update the project based on the mode.

**Category**

Key: CategoryId

Value: Title

Undefined

Niche

Blog

Made For Adsense

**BusinessSector**

Key: BusinessSectorId

Value: Title

Ecology

Health & Well being

Baby

Home

Music

Tourism

Adulte

Electronic

Pregnancy & Maternity

Age Group

Key: AgeGroupId

Value: Title

Undefined

0-3

3-7

0-7

7-77

12-17

18-24

18-44

25-34

25-44

35-44

35-54

45-54

45-64

55-64

65+

**Language**

Key: LanguageId

Value: Title

Undefined

French

English

Spanish

Italian

German

Portuguese

**Gender**

Key: GenderGroupId

Value: Title

N/A

Women

Men

Women/Men

Theme

Key:ThemeId

Value:Title

DomainName

Key: DomainNameId

Value: Title

Host

Key: HostId

Value: HostName