**Rick & Morty Explorer – Character Directory**

**API**: [**https://rickandmortyapi.com/api/character**](https://rickandmortyapi.com/api/character)

**Objective**

Build a dynamic and interactive character explorer for the Rick and Morty universe. The app should fetch data from the public API and allow users to **search, filter, paginate**, and view detailed character information — all using vanilla JS.

**Features to Implement**

**1. Fetch & Display Character Cards**

* Fetch characters from **https://rickandmortyapi.com/api/character**
* Display each character as a card with:
  + Image
  + Name
  + Species
  + Status (Alive/Dead/Unknown)
  + Location
* Use responsive layout (grid or flex)

**2. Search by Name**

* Add an input box to allow searching characters by name
* Debounce the input (300ms delay)
* Case-insensitive matching

**3. Filter by Status & Species**

* Create dropdowns or radio buttons for:
  + **Status**: Alive, Dead, Unknown
  + **Species**: Human, Alien, Robot, etc.
* Filter results dynamically based on selection

**4. Pagination Controls**

* Use API pagination (**info.prev** and **info.next** in response)
* Show "Previous" and "Next" buttons
* Disable buttons on the first/last page
* Update results without reloading the page

**5. \*\*Detailed Character Modal \*\***

* When a character card is clicked, show a modal with:
  + Full character info (name, gender, origin, episodes, etc.)
  + Episode count (number of episodes the character appears in)
  + Close button

**6. Conditional Styling**

* Color code the status badge:
  + Green for "Alive"
  + Red for "Dead"
  + Gray for "Unknown"
* Highlight characters with >30 episodes in a special badge (e.g., "Veteran")