

## Pokemon Finder : Writeup

The project entails the development of a Pokemon-related web application, primarily focusing on integrating data from the PokeAPI to provide information about various Pokemon species. The application is built using React, a widely adopted JavaScript library for constructing user interfaces with a component-based architecture.

The primary components utilized in this project include Main, Card, and SearchBar. The Main component orchestrates the core functionalities of the application. It manages the state, data fetching, and rendering of Pokemon information. Through the `useEffect` hook, data is fetched from the PokeAPI based on the specified URL, and the fetched data is stored in the state using the `useState` hook. The `fetchData` function, triggered by `useEffect`, facilitates fetching Pokémon data from the API, handling potential errors during the process.

The Card component is responsible for displaying Pokémon information, including details such as name, type, abilities, and other relevant attributes. It receives the Pokemon data as props from the Main component and dynamically renders the appropriate information.

The SearchBar component, on the other hand, provides a search functionality allowing users to search for specific Pokémon. It utilizes the PokeAPI to fetch the relevant Pokémon data based on the user's input. The fetched data is then displayed using the Card component.

A critical aspect of the development involved handling user interactions and providing seamless navigation through the Pokémon dataset. This is achieved through the integration of "Previous" and "Next" buttons, which allow users to navigate through the list of Pokemon.