

Pokédex

Ash and his friends have been on the road for quite a while now and they need your help!

On one of their latest adventures in the Kanto region, Pikachu was battling an unknown Pokémon. While Ash was trying to identify this unknown Pokémon he dropped and broke his Pokédex — not good.

Good thing we have you, Pokédex Software Extraordinaire! Your job is to help Ash and his friends build a new Pokédex.

What's a Pokédex?

A Pokédex is a way for Ash and his friends to identify any Pokémon. You can think of a Pokédex as a dictionary for Pokémon. Every Pokémon has an entry in a Pokédex and can be looked up.

Business Requirements

Our friends over at <https://pokeapi.co/> have created a REST API that has all the identification information you could need for every Pokémon. Using this REST API, build a Pokédex for Ash and his friends.

This new Pokédex should have useful functionality. Ash and his friends have said that the new Pokédex must include:

- ☒ A way to search for any Pokémon and receive identification information:
 - ☒ Abilities
 - ☒ Color
 - ☒ Evolution's
 - ☒ Genders
 - ☒ Locations
 - ☒ Moves
 - ☒ Type
 - ☒ Varieties
- ☒ A way to click on a Pokémon evolution type and see information about that evolution type
- ☒ A way to look at past Pokémon that have been searched

This new Pokédex should look visually appealing. These things include, but are not limited to:

- ☑ Buttons
- ☑ Colors
- ☑ Fonts
- ☑ Spacing

There are no time constraints for completing this Pokédex.

Technical Requirements

This project must be web based and make HTTP requests to the PokéAPI. This project must use **only** the following technologies:

- ☑ ES6+
- ☑ Fetch and associated tooling, types
- ☑ Node and associated tooling, types
- ☑ React and associated tooling, types
- ☑ React Router and associated tooling, types
- ☑ Redux and associated tooling, types
- ☑ SASS and associated tooling for Webpack, types
- ☑ TypeScript and associated tooling for Webpack, types
- ☑ Webpack and associated tooling, types

Any other libraries that are absent from the above list are strictly prohibited.

Future Considerations

Nothing is perfect and that includes the first pass of this Pokédex. Ash and his friends want to hear your feedback on what can be done in the future. These things include, but are not limited to:

- ☑ Additional features
- ☑ Assumptions on use cases
- ☑ Other technologies to use
- ☑ Performance concerns
- ☑ Visual enhancements

Make sure to add these thoughts in a **README.txt** file in your project.

Questions

If at any time during the development process you have a question, please don't hesitate to email [✉ sethen@seesonar.com](mailto:sethen@seesonar.com).

Submission

All code must be committed to a GitHub repository. Once you feel the Pokédex meets the business requirements, technical requirements and has future considerations please email it to [✉ sethen@seesonar.com](mailto:sethen@seesonar.com) for evaluation.