



Mobile App Development

Assignment

Statement

You will be building a Pokédex app with **react native** using a public API to fetch the data.

For the API use - [PokéAPI](https://pokeapi.co) <https://pokeapi.co>

Features

- **Search Page**
 - Create a search page that accepts a Pokemon name to search for. On hitting search, make an API call to the search endpoint.
 - Show a loading when the API is in progress and stop the loading when the API is successful or throws an error. Display the error if there is an error message.
- **Listing page**
 - If the API returns successfully show all the Pokemon that are returned in the API on this page.
 - Navigate to the listing page only after a successful API response. This page should show the images of the movie as well as the title of the movie in a grid format.
 - The listing page should be infinite scrollable, as the user scrolls, load more Pokemon using the API. By default, the search API gets 10 items per page.
 - Please make sure the listing page remains functional even after loading a lot of movies when you keep scrolling.
 - Also, provide options to filter the results by abilities, characteristics, group, habitat, location, Species etc.

- **Details Page**

- Details screen opens up on tapping on one of the Pokemon on the listing screen.
- Show all the details got by the API in a properly formatted design.
- Display a bookmark icon, tapping on it should save this Pokemon as a favorite on the device itself.
- A Pokemon that is been bookmarked should be shown with the already a prefilled bookmark icon. Clicking on the same icon should remove it from bookmarks.

- **Bookmarks Screen**

- The bookmark screen shows all the users bookmarked Pokemon. This data is stored locally on the phone.
- Users should be able to remove a Pokemon from bookmarks as well.

Things to remember and follow:

1. Use a version control such as Github, bitbucket, etc from start to finish. You are required to share the SCM URL as part of the delivery
2. Mention any assumptions you make.
3. Build and share an apk for the app.
4. Please include some screenshots/video of the app.
5. Deadline - 7 days from receiving the assignment.
6. Assignments will be processed in first come first order. So try to submit as soon as possible as we have limited positions open.

Any questions feel free to drop a mail at vinit@thflurn.com

Send your submissions to tech@thflurn.com

You can use this design as an inspiration for the app design and build something similar - <https://dribbble.com/shots/6540871-Pokedex-App>

The api provides a lot more information and you can build more on top of that data. You are free to create more screens to the app to make it more awesome.