Herolo Home Assignment

Weather App

OVERVIEW

Your mission is to write a simple, responsive, web app in angular/react that shows the current weather of some city/country.

The user should be able to search by city/country name and save cities/countries to favorites (locally, a server is not required).

We are expecting to have 2 separate pages in this task. (main page and favorites page).

GOALS

1. Show us your coding skills - We want to test your strengths, don't be afraid to go wild, add features and customize the design.
2. Readability - Your code should be readable and self-explanatory with minimum comments. Remove any unused code, console logs, and files. Use logical project structure and code separation (don't put everything in one file!).
3. Best practices - try sticking to best practices (Angular/React specific best practices), ES6+ syntax, state management pattern (Redux/Akita/NGRX/MobX, Angular services, etc).

API

It is required to use a 3rd party API. For this task, you can use open weather API which is free and only requires signup to get an API key. https://openweathermap.org/api. Please read the Docs of the API.

HOW TO SUBMIT

1. Push your code to your git repository and make it public (we recommend GitHub in order to use GitHub Pages with ease), **name the repo as firstName-lastName-dateOfStart (John-Doe-01-12-2018)**.
2. Deploy the compiled app to your server or GitHub pages/Heroku/etc - MUST

Send us the git repository link and a link to the working task (2 links)

SPECIFICATIONS

1. The main screen (weather details) will be composed of a search-field to search location's weather, by city name or country name. And below it, the current time weather and a 5-day forecast of the searched location. Please make sure to go over the UX and design it to be intuitive and clean. A location should have an indication if it's already saved in favorites, and a button to add/remove from favorites.
2. Display Tel Aviv weather by default.
3. Favorites screen will be composed of a list of favorite locations. Each location should have an ID, name and current weather. Clicking on a favorite will navigate to the main screen showing the details of that location.
4. Favorites list should be persistent (Refreshing the page shouldn't clear the list- you can use local storage).
5. Create a header with an icon/link/button, which navigates to the other screen (nav-bar). The header should be displayed on both screens.
6. Allow to search only English letters - allow typing, but mark the search field with an error (and appropriate error message).
7. When a location is searched, the main screen should update with the result.
8. Responsive design is a must! (doing flexbox/grid will give you extra points).
9. Error handling- show error in a modal or toast if there's an error or no results.

BONUS

1. Set the default location by using the **Geolocation API**.
2. Add dark/light theme toggle.
3. Make it PWA (installable, service worker, offline support, etc).
4. Add animations (with good taste).

Good luck

Herolo Team