
Weather App

Introduction

This task is about creating a small client-side application that displays weather data for several cities.

UI Requirements

The user interface should consist of two parts:

- A horizontal list of tiles consisting of
 - the name of the given city
 - an image related to the current weather situation (rain cloud, shining sun etc)
 - the weather data (temperature, situation, forecast)
 - a 'remove' button visible on hover to remove the tile from the list
- The tile creation form consist of
 - An input field that takes a city name for a new tile
 - A select control to specify the refresh interval for a new tile
 - A button to create a new tile and add it to the list of tiles

All tiles need to refresh **independently** in their given intervals.

The tile list should always use the maximum width possible to fit in all tiles, and all tiles should have the same width.

If a tile is added or removed, the rest should automatically resize accordingly.

You can set an arbitrary limit for how many tiles can be displayed at the same time, depending on your layout.

The weather data could be taken from <http://openweathermap.org/current>, but you can choose a different service if you prefer.

Other than the previous requirements, you are free to choose how to implement the UI. The attached wireframes are just a guideline.

Keep it simple though. No need to build another weather.com.

Technology Requirements

You are free to choose the technologies and libraries you'd like, except for the following constraints:

- Must use React
- Must use new React Hooks API.
- Code must be published at Gitlab.com

Please include a README.md file explaining the setup process and how to use your application.

Evaluation Criteria

The quality of your submission will be graded by code quality and clarity, elegance of the implementation, and functionality. Bonus points will be given for beautiful design, but first and foremost this is a coding challenge. We know that React and its Hooks maybe new for you, but your ability to learn is also the part of the test.

We do not grade you on how long the task took you to complete, since learning new things is always part of the development process, and so is making mistakes and fixing them later, but we believe that this task should not take much than 3 days to complete.

Wireframe

