The weather

Create a weather app with only one screen using the free api in www.openweathermap.org

This screen should have the option to enter a city name or zip code as an input, and get the current weather of that city/zip code.

Using the latitude and longitude of the city/zip code that you searched, calculate 4 new locations (north, south, west and east) with 200 km distance from the original location, then request their weather.

Once you have all the data, you should show the following information on the
screen: - Which one is the hottest location and the temperature in Celsius degrees
- Which one has the highest humidity and the humidity
- Where have been raining more in the last hour and amount
- Which one is windiest and the wind speed

Show the information in the way you think is more convenient.

You will probably have many questions with this statement, but feel free to do it your way, as long as you follow the requirements. You can use any 3rd party library.

Use cases:

Given the name of a city
When the user clicks on search
Then the app will move into the map to display the selected city

Given a zip code
When the user clicks on search
Then the app will move into the map to display the selected city

Given an unknown city name
When the user clicks on search
Then the app will display an error message

Given an invalid or wrong zip code
When the user clicks on search
Then the app will display an error message

Given selected city
When the user clicks on the pin
Then the app will display 4 new locations

Given selected city
When the app displays the 4 new locations
Then the app will display hottest location and the temperature

Given selected city
When the app displays the 4 new locations
Then the app will display highest humidity and the humidity

Given selected city
When the app displays the 4 new locations
Then the app will display where have been raining more in the last hour and amount

Given selected city
When the app displays the 4 new locations
Then the app will display windiest and the wind speed

Given selected city
When api has any missing value
Then the app will display that value as –

Example:
Highest humidity: -
Humidity: -

Requirements:

- Any UI component must be implemented with UIKit.
- Complete all the use cases provided above
- 1 week time window
- The source code must be provided in a git repository. (We want to know your git skills, so one commit/push repository will be rejected).
- README file on the repository to explain your decisions or anything you want to highlight.
- Production ready

Optional:

- Unit test

Bonus:

- Any improvements, provide reasons why you applied it.
- Added behaviors