**Weather Application**

**API Connection**

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**Description**:

This project implements a Front-End application in ReactJS that gives the user the ability to make weather forecasts for a certain location.

The forecast should be for that day and hour and also for the next hours and days of the week.

The application should run on a localhost.

**Functional requirements**:

* The application should allow the user to see the forecast data of a default city;
* The application should allow the user to see the forecast data of the current location of the device on which the app was started;
* The application should allow the user to search for a specific city and retrieve its forecast data;
* In the display section of the data, the user should be able to change the view of the data between Celsius degrees and Fahrenheit degrees;
* The application should allow the user to see the forecast for a maximum number of 7 upcoming days;
* The application should allow the user to see the forecast for a maximum number of 24 upcoming hours;

**Running the App**:

In order to start the App, from a console the user should navigate to the root folder of the project or open a terminal in the root folder.

Then, the user should type the command **npm start**, which will start the application and will open it in the browser. If the application didn’t open in the browser, but it started running, the user should copy the link **http://localhost:3000** in the browser and press ENTER.

**Implementation**:

The following tasks were implemented:

* API connection to fetch real data;
* Forecast for the next 7 days;
* Forecast for the next 24 hours;
* Change Forecast data for a new city;
* Search for a city and fetch the data;
* Show the forecast data for the current location of the device;
* Change degree measure unit for all the data shown in the application between Celsius and Fahrenheit;
* Dynamic application theme / design that changes between day (if the time when the update was made is between the moments when the sun rises and sets) and night (if the time is not between those moments).