Front end development: Ajax

JavaScript – Weather API

The following exercise contains the following subjects:

◆ Ajax

The API

We are going to create a simple weather app.

There are literally dozens of different weather API's to choose from.

We are going to choose this API:

https://openweathermap.org/api

Understanding the API

Before you write any code. Always read the API docs. Understand their structure on how to call their API.

Usually they have a "get started api call". A simple call to get some data right away.

If you are struggling with a specific problem regarding the API itself, and its a popular API, you can also get help from google. For example:

How to get x "stalk overflow" "open weather"

I use quotes when I want to include in my search stalk overflow and the open weather api.

Baby steps

As always start simple.

1) Get the data you want first in the console.

2) Put the data in an object **(if relevant)**

3) Display it simply on the screen.

4) Start styling it.

Understanding the task

Current Weather

Get the current weather of your current location with the help of [Geolocation api](#).

1) Display your current location weather in Celsius

 - Use HTML entities to get the Celsius symbol

2) Display the sunsrise of your current location

3) Display the sunset of your current location

Search

Search for a cities current weather

1) Display the cities name and temperature in Celsius

2) You cannot search for the same city twice.

3) If the user has no searches display a message saying e.g. "no searches".

Error Handling

Many times the API will return you an error string if an error occurs.

1) If the API gives you an error string, display that to the screen

2) If the API does not give you an error string, create your own.

The errors

1) If the user searches a city with an empty input.

2) If the user doesn't allow you to know their location

- If you blocked the request to share your location, you can unblock it by pressing the "site information" icon (see the video below)

3) If the user tries to search for a city that was already searched for.

Here is a video of all the features we talked about before styling it.

Extra

This API is huge with a lot of cool features. Implement more!

Make it look nice!

Submit the file to Hive.