Objective

Set up

Step 1: Hello World

Step 2: Show current weather conditions

http://www.openweathermap.org/api
http://www.openweathermap.org/appid
https://addons.mozilla.org/en-us/firefox/addon/jsonview/
https://github.com/callumlooke/json-formatter
http://www.openweathermap.org/current
http://www.openweathermap.org/weather-conditions
Step 3: Show weather forecast

1. Display weather forecast for 16 days in one city of your choice. Start with a simple layout, and then make a nice design using the CSS stylesheet. Use the icons provided by the API.

2. Extend this to allow the user to input the name of the city.

3. Extend this in order to ensure the user can bookmark the URL in the web browser, and directly get weather forecast for the given city.

4. Extend this so that the last input city is saved in the web browser, so that the user is directly shown weather forecast for this city when he visits the page without providing any parameter in the URL.

Step 4: Integration with other libraries

1. Create a page displaying a map of France with icons representing the current weather conditions. You may have a look to this OpenWeatherMap tutorial.

2. Add a slider allowing to select the date.

3. Create a page displaying an historical chart of temperature for a given city using an API of your choice.

http://www.openweathermap.org/forecast
http://www.openweathermap.org/weather-conditions
http://www.openweathermap.org/tutorial/openlayers