

Creative Coding

Assignment #4: JavaScript, jQuery and APIs



Overview:

For this assignment you will create an HTML/JavaScript page that will display the current weather information for Toronto, Canada using the Open Weather Map API.

You may use the samples from class as a starting point.

Your page should include the following information:

- Current Weather Conditions
- Location
- Icon (this is an image, look into the API documentation for details)
- Temperature (in celsius, look into the API documentation for details)

Objective:

The objective of this assignment is to use reinforce the concept of JavaScript and jQuery to communicate with an API.

Rubric:

Here is how you will be marked:

Category	25% Poor	50% Unsatisfactory	75% Satisfactory	100% Excellent
	Shows no or poor level of knowledge	Shows moderate level of knowledge	Shows proficient level of knowledge	Shows excellent level of knowledge

Design (5)	Fonts, colours and layouts use browser defaults.	Design includes more than top to bottom content. Overall design is very basic but professional.	Layout uses divs to create sections and/or columns, etc... Overall design concept is advanced.	Design is responsive and includes lots of visuals. Over design concept is challenging.
JavaScript and jQuery (5)	JavaScript is present but not functional.	JavaScript is functional. Weather data is retrieved and displayed on the screen.	Weather data from the API is well designed. Data is well wrapped with proper semantic HTML.	JavaScript and jQuery are well written and efficient.
TOTAL (5% of your Final Mark)				

Submission/Deliverables:

To submit this assignment simply submit a working URL using Blackboard. Please test the URL before you submit it.