

CS411 Project Assignment #3

Prototyping API calls

It's time to start doing some coding! For this assignment your team will prototype a web page or two that will make a query to one of the APIs that you have selected for your project and display the results, using your chosen technology stack.

Here are the requirements:

1. Display a web form to allow the user to search for an item from the API feed. For example, if you are using the [wine.com](https://www.wine.com) API, you might have a form that allows the user to search for the name of a particular wine.
2. Make a call to your backend code, passing the selection from the form. Your backend code will then call one or your APIs with the search term passed in from the form.
3. Parse and display the results of the API call. If the result is a JSON object, for example, parse it out and display the data on your page.

Since this is a prototype, it doesn't need to be fancy, so don't worry about colors and styles and the like. There's a lot to figure out here; if you get stuck, send me a note or post on Piazza for advice. Remember that Postman is your friend in getting the call to the API correct. For this assignment it is fine to use a templating language such as Pug or EJS to create an HTML page to display.

Deliverables:

1. A link to your team's github repo containing your prototype code. Place it in a folder called 'prototype'. Only one team member needs to submit the link.
2. A short video demonstrating your prototype. This video only needs to be a minute or so long. Include the video in your github repo.
3. A document explaining why you chose the technology stack that you are demonstrating; I'd like the team to consider a minimum of two technology stacks (Node, Django, etc). Describe the process and reasoning the team used to select the stack, and explain why you chose it over the other. The doc should be added to your 'docs' folder on github.