# **Overall Theme/Impact**

* This web service will let users search recipes based off the food or ingredient of their choice along with the type of cuisine.
* The API has data on the type of food, cook time, steps to cook which makes for a good cooking resource.
* They can save these recipes into their own personal playlist and edit the names of each recipe as well as delete them.

# **Development**

* Service handles POST request via html form
* User can view backend data through endpoints of either JSON or XML
* Status Codes
  + 200 – When the user clicks to different links of the service to reach different client pages.
  + 201 – When the user searches and POSTS to the service with a new recipe saved to their list.
  + 204 – When the user edits a recipe title.
  + 400 – When the user calls any of the /recipes- end points without the “food” or “tag” parameter filled.
  + 404 – When the user calls the wrong /recipes- end points with no search parameters.

# **What Went Right/Wrong**

# Right

* + Gathering the API data to display to the user.
  + Communicating between the client and the server.
* Wrong
  + Code in certain areas does not follow DRY principle due to bug fixing.
  + Duration to gather API data made it difficult to immediately switch endpoints, thus timeouts had to be used.
  + Making sure data was still accessible even after switching pages and going back.
  + Paying for an additional month to use the API since I exceeded the service requests.

# **Expected Grade:** 85%

I think this project is more practical when thinking of the troubles of finding a good recipe. Having a centralized service to pull data in and display it to the user is handy when contemplating the best choices. However, I did not realize the scale and difficulty that can arise when attempting a service like this. Ideally, you would want the user to be able to create and delete playlists and then specify where the recipe will be saved. In this service, the recipes are saved in stack order and are not consolidated by anything the user specifies.