Pixel Pioneers Final Project Proposal

What does it do?

- So the website will take in a location from the user, return the weather at that location, and then provide a list of 5 dishes with their recipes based on the current weather and temperature of that location.

How will we use an API?

- We plan on using the Weather API from WeatherAPI.com to get the location from the user based off of city and state input fields, we will then parse through the retrieved weather data to find keywords that correspond to recipes from the recipes API from APIninjas.com.
    - We also considered using the MealsDB to get the recipes.

How will we use a Database?

- If we end up using an API for the recipes, we still plan to use a database to get user info via a form, and sign them up for an email list for recipes based on the last location they entered, which will be stored in the DB with their email address and any other important information on the form.
- We'll utilize a database to store user account information on signup, as well as the mappings of temperatures to different regions in order to provide the user with some dishes based on the temperature in their location.

Why we selected this project?

- We picked this idea because it seemed like a service that a very large demographic of people would be interested in. Everybody eats, and lives in a place with weather, so anyone can benefit from this website. Since this platform is open to a large user base, it would be easy to turn a profit by including advertisements on each of the pages, or charging after a certain number of uses. Number of uses can be tracked in the user DB if an email address input is required, or an IP address is logged per user of the website.

More information:

Temperature ranges / Regions:

- 30 - 40: North America
- 40 - 50: Europe / Northern Africa
- 50 - 60: Eastern Asia
- 60 - 70: Middle East and Southern Asia
- 70 - 80: South/Central America
- 80 - 90: Sub Saharan Africa

For each of these categories we can potentially add 4 weather conditions such as sunny, rainy, cloudy, windy and then we would in total have 24 different queries that we would give to the API which would then return a list of recipes. We would arbitrarily combine each region/weather condition category with a string for the API query.