Project Coding Requirements:

1. Must use at least two APIs
2. Must use AJAX to pull data
3. Must utilize at least one new library or technology that we haven’t discussed (look at Material)
4. Must have a polished frontend / UI
5. Must meet good quality coding standards (indentation, scoping, naming)
6. Must NOT use alerts, confirms, or prompts (look into *modals!)*
7. Must have some sort of repeating element (a list, table, columns, etc)
8. Must use Bootstrap or Alternative CSS Framework
9. Must be Deployed (Github Pages)
10. Must have User Input Validation
11. Utilize Firebase for Persistent Data Storage (Consider this basically a requirement).
12. Mobile Responsive - Optional
13. Use an alternative CSS framework like Materialize - Optional
14. You will also be responsible for preparing a 10 minute presentation.
15. This will be a formal presentation.
16. One in which you explain in detail:
17. Your overall application’s concept
18. The motivation for its development
19. Your design process
20. The technologies you used (and briefly how they work)
21. A demonstration of its functionality
22. Directions for future development
23. Treat the presentation seriously!
24. Talking intelligently about tech > doing tech sometimes.
25. Stick to APIs that do all of the following:
    1. Allows CORS
    2. Simple or no authentication
    3. JSON response returned
    4. Well documented
26. API List – refer to list in PPT
27. Use GitHub Issues or Trello for Project Management
28. Brainstorm possible ideas
29. Begin API Research
30. Create an initial draft / sketch of the final design
31. Create a short 1 page proposal listing out each of the following:
    1. Project Title
    2. Team Members
    3. Project Description
    4. Sketch of Final Product
    5. APIs to be Used
    6. Rough Breakdown of Tasks

Recipe Site Project Ideas:

1. Recipe site name: What’s in my fridge?
2. Description of site: Wondering what to cook with what you have in your kitchen? Don’t feel like going to the store? Let us help you find recipes that use what you already have to create something yummy to eat!
3. New technology:
   1. BULMA a source CSS framework based on Flexbox
4. API’s:
   1. Scale by Red Hat
   2. Food Network API
5. Site contents & UI:
   1. One page that includes search criteria, ability to sign up, and returns recipe options.
      1. Contents – what the site does and how to use it
      2. Images
   2. Hero image - include
   3. Background image:
      1. Generic until a recipe is searched
      2. Then replace background image with the photo of the recipe (use on-click)
   4. Buttons – use kitchen objects for buttons
   5. Ability to sign up - Optional
      1. What data will be requested and saved to a database
         1. First & Last name
         2. Email address as the username
         3. Password
            1. Consider storing locally
      2. When the user returns to the site and signs in, display a “Welcome Back” with the user’s first name, etc. “Welcome Back Richard”
      3. Store the data in Firebase
   6. Footer “Bon Appetit”
   7. Logo
6. Site functionality:
   1. Search for recipes
      1. Options:
         1. By ingredient or a specific food (such as pancakes). Leave this as an open search so the user types in what they are looking for
         2. OPTIONAL FOR THE PROJECT: Additional search options by nutritional restriction and allow one or all to be selected, for example:
            1. Gluten-free
            2. Low-fat
            3. Sugar-free
            4. Lactose-free
            5. Vegetarian
         3. Save most common searches to the Firebase database and if time permitted, display most commonly search for items
   2. Return search results for top 9, then9 more, etc.
   3. Return a photo of the food associated with the recipe.
   4. Ability to save search criteria for future – allow the user to name the search & save it in a database.
   5. Optional for project- ability to save “Pin” selected recipes to the user’s profile
   6. Optional for project - Ability to save recipes retrieved so they can be pulled back later – save the api and recipe url to a database?
7. Project tasks:
   1. HTML
      1. Skeleton HTML – Michael & Richard
   2. CSS
      1. Bulma – Maria & Missy
      2. Images & buttons – Maria & Missy
   3. Javascript/jQuery – All
   4. API’s – Michael & Richard
   5. Firebase – Richard
   6. Keys for API’s and Firebase

Ingredients I have at home:

Search box