“CHEF NOW” – REQUIREMENTS, SPECIFICATIONS & DESIGN

**Project Title:** Chef Now

**Team Members:** Group 5!

* Seth Griggs
* Dennis Markham
* Joseph Riviera
* Venkat Venkataraman

**Team Responsibility:** Frontend: Seth & Joseph / Backend: Dennis & Venkat.

**Project description:** This app takes in user response of what ingredients they would like to cook with and/or is available to them. The EDAMAM API takes in ingredients and shows a list of recipes that would work for said ingredients and in a particular type of cuisine if possible. Then once you select a recipe, the API provides info on how to prepare (through a recipe link), other ingredients needed, and a picture of the preparation. A google maps API shows where the ingredients may be purchased.

**Product Sketch:** Coming Soon.

**Front-end User Interface Requirements:**

* User sign-up and authentication for access to certain features
* List of ingredients
* User preferences:
  + Peanut free
  + Vegetarian
  + Low-fat
  + *Gluten-free?*
* Card design for each recipe
  + Main Card
    - Recipe Image
    - Recipe Link
    - “Like” Button
    - Access to list of ingredients for preparing recipe
  + Back card:
    - List of ingredients for preparing recipe
* Google maps interface for showing where recipe ingredients may be purchased

**Back-end (Database) Requirements:**

* Firebase needs to store “liked” recipes, by user name for retrieval.
* Firebase should authenticate the user for saving and retrieving “liked” recipes.

**EDAMAM API Query:**

* 10 recipe retrievals for each request
  + Name of recipe
  + URL to website with recipe
  + Image
  + Ingredients

**Variables and Buttons for front-end & back-end (Firebase) database handshake**

Variables:

* recipeName
* recipeImage
* recipeIngredients
* recipeLink

Buttons:

* Login/SignUp/Logout – for authentication with Firebase
* Saved Recipes – to retrieve “liked” recipes
* Save Liked Recipe – to save a recipe to Firebase

**Coding Requirements & *Current Fit*:**

* Must use at least two APIs – *Yes, EDAMAM API and Google Maps*
* Must use AJAX to pull data - *Yes*
* Must utilize at least one new library or technology that we haven’t discussed
* Must have a polished frontend / UI *- Yes*
* Must meet good quality coding standards (indentation, scoping, naming) *- Yes*
* Must NOT use alerts, confirms, or prompts (look into modals!) – *Yes, using modals!*
* Must have some sort of repeating element (table, columns, etc) – *Yes, recipe cards*
* Must use Bootstrap or Alternative CSS Framework *– Yes, Materializecss*
* Must be Deployed (Heroku or Firebase) *– Yes, Firebase and GitHub*
* Must have User Input Validation *– Yes, like valid e-mail*

**Coding (Nice to haves) & *Current Fit*:**

* Utilize Firebase for Persistent Data Storage (Consider this basically a requirement) - Yes
* Mobile Responsive - *?Need to check*
* Use an alternative CSS framework like Materialize – *Yes, Materialize*

**Future Enhancement Possibilities:**

* Other potential items but decided not to include for now:
  + X Calorie ranges
  + X Health Labels
  + X Cuisine?
* Get ingredients from user and store them (in Firebase – i.e., it is persistent across sessions).
* Get cuisine(s) preference from user.
* Get the time the user has to spend on preparing the dish.
* Narrow the search results from EDAMAM and rank them:
  + based on available ingredient list.
  + based on selected cuisine.
* Pull up videos of recipes from YouTube (if they are not available on EDAMAM).

**Sample EDAMAM API Search Response Format Documentation:**

See <https://developer.edamam.com/edamam-docs-recipe-api>