**Capstone Step 2 - Project Proposal**

Tech Stack – React and Node.

Focus – Back end will be the focus while keeping the front end UI simple and clean with photos.

Type – Website.

Goal – The goal of this project is to provide users with my unique recipes and style of cooking. Users will search/filter recipes based on protein choice. Once a choice is made, ingredient list and recipe is provided.

Users – Anyone with a desire to learn new but not difficult recipes.

Data – I will be creating my own API and populating with my own data (recipes and ingredients)

The database schema will be as follows:

Recipes ingredients proteins recipe\_ingredients

Id id id id

Title name name recipe\_id – ref recipes

Description Ingredient\_id – ref ingredients

Instructions quantity

Protein\_id – ref proteins unit\_meausrement

I’m not sure what API problems I could face. Currently more so in my schema it’s deciding if proteins needs it’s own table to be referenced in recipes. Should it just be a part of the recipes table? Be a part of ingredients and referenced in recipe\_ingredients table?

There won’t be any sensitive information at the moment we need to secure. Additional features might want users to create a username/password to log in to track what recipes they’ve tried, ingredients shopping list/checklist etc…

The main functionality of the app will be selecting proteins and filtering recipes results based on their choice. As deciding on a protein is usually the main part of the “whats for dinner” conversation, starting there seems logical.

User flow will be straight forward, starting with a selection of a protein, seeing a list of available recipes with the description. Selecting a recipe will show you the full recipe, ingredients and instructions.

Stretch goals for the app would be a mobile friendly version as its more likely people are using a phone/tablet to view a recipe when cooking as opposed to printing instructions. A Todo-style shopping list. A todo-style checklist for each step of the instructions. Creating categories into “breakfast, brunch, lunch, dinner” or “casual, quick, date-night, fancy” etc…