**Spring Boot Proposal for Final Project**

**Title:** Recipes Book

**Executive Summary:**

This project involves digitizing family recipes. It will contain tables for recipes, category, ingredients, and steps. Additional table (recipe\_category) will be added to map recipes to their respective category. Users will be able to add recipes, update ingredients/steps, and select recipes based on available categories.

**Initial Features:**

* Entities: Recipes, Category, Ingredient, Steps.
* A User can perform the following operations:
  + Browse all Recipes (GET on Recipes)
  + Browse Recipes by Category (GET on Recipes with specified Category)
  + View all details about a specific Recipe (GET on Recipe by primary key)
  + Add recipes of their own with specified category (POST in Recipes and POST in Category)
  + Update recipe (PUT on Recipes)
  + Delete recipe (DELETE on Recipes)

**Stretch Goals (to be completed if time allows, or after graduation):**

* Add Entities: Users, User\_Reviews, User\_Recipes, Quantity
* User will be able to:
  + Login and view recipes (GET on Users and Recipes)
  + Save a recipe as a favorite (POST on User\_Recipe)
  + Leave a review (POST on User\_Reviews)
  + Read reviews made by other users (GET on User\_Reviews)
  + Update Quantity on the Recipe to receive updated list of ingredient quantities (PUT on Quantity)