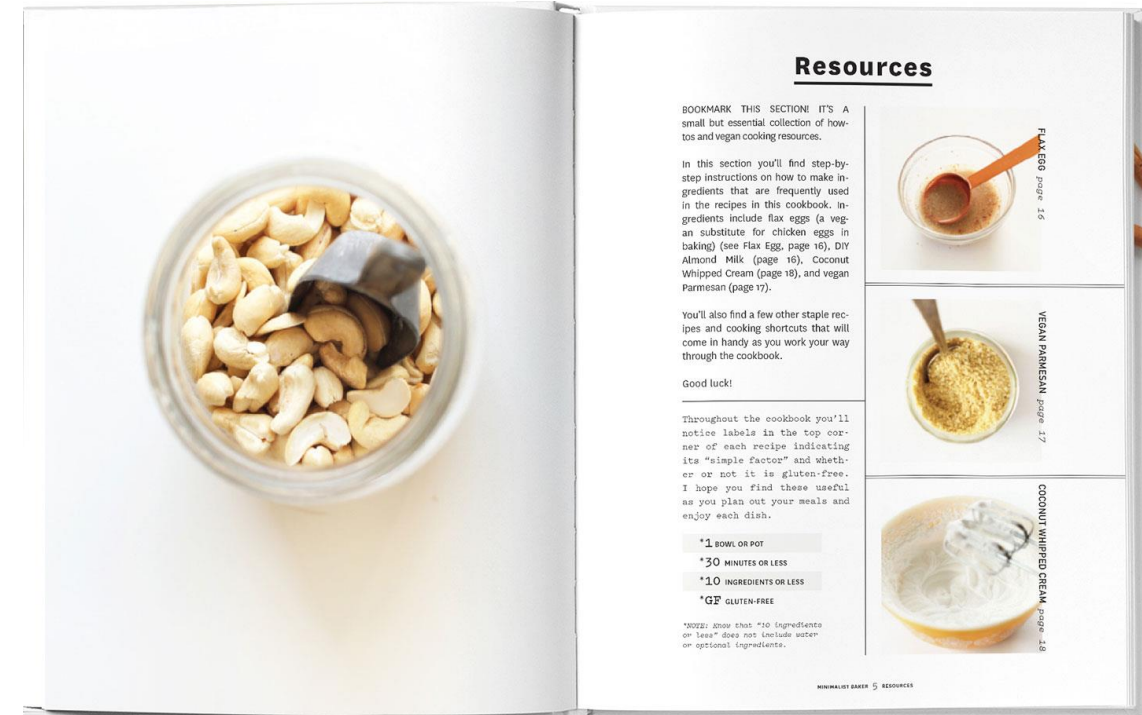# Recipe Recommender

## Discover new recipes for your tired palate

APMA E4990 – Ian Ferguson

# Problem Statement

- Unless you are a master chef, cooking at home often begins with a recipe

- Cooking the same few recipes over and over can be mundane

- With so many recipes for new dishes out there, how do you know what to choose?

# Solution

- Recipe Recommender will provide a list of top recommendations for your next recipe to try based on your input preferences:
  - Ingredients
  - Recipe Ethnic Origin
  - Favorite dishes
- The goal is for you to find recipes for dishes you never knew existed and try it out

# Data Source

- Web scrape the most popular recipe websites:
  - AllRecipes
  - FoodNetwork
  - Epicurious
  - Serious Eats

- Extract relevant data:
  - Ingredients
  - Method of cooking
  - Recipe ethnic origin
  - User ratings

# Method

- Recommendation engine

- Ingredient network

- Cold start mitigated using hybrid content-based matching and collaborative filtering