

# Cooking App

## Features

- users can sign into the app with their email and password
- users can create recipes with ingredients and instructions
- recipes can be marked as public or private
- users can view other people's recipes
- ingredients from recipes can be added to user's grocery lists
- users can create their own occasions and assign recipes to occasions

## Brianstorming

1. Users can sign into the app with their email and password
  - a. users
    - i. user id
  - b. Auth
    - i. email
    - ii. password
2. Users can create recipes with ingredients and instructions
  - a. Recipe
    - i. Recipe id
    - ii. Recipe name
    - iii. Serving size
    - iv. Prep/cook time
    - v. Recipe category (or tags)
    - vi. Favorite (boolean)
    - vii. Photo URL
    - viii. User id
    - ix. Like
    - x. Comment
  - b. Tags
    - i. Tag\_id
    - ii. Tag\_name
  - c. Recipe\_tag
    - i. Recipe\_id
    - ii. Tag\_id
  - d. Comment
    - i. Comment id
    - ii. Commenter (user id)
    - iii. Comment
    - iv. Timestamp
  - e. Like
    - i. Recipe\_id

- ii. User\_id
  - f. ingredients
    - i. Ingredient id
    - ii. Ingredients name
  - g. Recipe ingredients
    - i. Quantity
    - ii. Quantity unit
  - h. Instructions
    - i. Recipe id
    - ii. Step number
    - iii. Step contents
- 3. Recipes can be marked as public or private
  - a. Recipe
    - i. Public (Boolean)
- 4. Users can view other people's recipes
  - a. Recipe
    - i. Recipe author
- 5. Ingredients from recipes can be added to user's grocery lists
  - a. Ingredients
    - i. Ingredient category
  - b. Grocery lists
    - i. Grocery list id'
    - ii. User\_id
    - iii. List name
  - c. Grocery Item
    - i. Grocery\_item\_id
    - ii. Grocery\_list id
    - iii. Ingredient id
    - iv. Ingredient quantity
    - v. Quantity unit
- 6. Users can create their own occasions and assign recipes to occasions
  - a. Occasions
    - i. Occasion id
    - ii. Recipe\_id
    - iii. User id

## Tables

1. Users
2. Auth
3. Recipe
4. Comment
5. Like
6. Ingredients
7. Recipe ingredients
8. Instruction steps
9. Grocery list

10. Grocery item

11. Occasions

#### Relationships

1. One to one
  - a. Users to auth
2. One to many
  - a. User to recipe
  - b. User to comment
  - c. User to like
  - d. User to grocery list
  - e. User to occasion
  - f. Recipe to comment
  - g. Recipe to like
  - h. Recipe to Recipe Ingredients
  - i. Recipe to instructions
  - j. Recipe to occasions
  - k. Ingredient to recipe ingredient
  - l. Ingredient to grocery item
  - m. Grocery list to grocery item
3. Many to many
  - a. Recipe to ingredients
  - b. Recipe to tags