

# 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

## Brainstorming

- Email
- Password (Hash)
- Username (Email)
- Recipes (Public & Private) (Content, date added, images)
- User that posted recipe
- Users that liked recipe
- Ingredients
- Recipe Instructions
- ID
- Grocery Lists
- Add occasions
- Assign recipes to occasions

## Table Ideas

- Users
  - User ID
  - Email (Username)
  - Password
- Recipes
  - Recipe ID
  - Ingredients
  - Recipe Instructions (Content)
  - Timestamp
  - Images
  - User ID
- Ingredients
  - Ingredient ID
  - Recipe ID

- Public Recipes (Added to recipes database)
  - Recipe ID
  - User ID
- Private Recipes (Added to recipes database)
  - Recipe ID
  - User ID
- Users That Liked Recipe
  - Recipe ID
  - User ID
- Grocery List
  - Ingredients
  - Recipe ID
  - User ID
- Occasions
  - User ID
  - Date
- Recipes for Occasions (Added to occasions database)
  - User ID
  - Recipe ID
  - Date

## Relationships

- “One-to-Many”
  - Recipe to ingredients
  - Recipe to user ID
  - Grocery list to user ID
  - Occasions to user ID
  - Private recipes per user ID
  - Public recipes per user ID
- “Many-to-Many”
  - Recipes for occasions
  - Ingredients for recipes
  - Users that liked recipes
- “One-to-One”
  - User that posted recipe

## Columns

- **User**
  - User ID (serial) to give each user unique identification (primary key/auto increment)

- Email (text) to store individual user's email
- Password (text) to store individual user's password
- **Recipes**
  - Recipe ID (serial) to give each recipes a unique identification (primary key/auto increment)
  - Content (text) is the body of each recipe/instructions on how to prepare each dish
  - Image URL (text) to show any pictures of what the cooking process/finished dish will look like
  - Timestamp (timestamp) so the user will know what date the recipe was posted
  - User ID (int) to show which user provided the recipe
  - Ingredient ID (int) to show which ingredients were used to make recipe
  - Public Recipe (int) keeps record of which recipes are made public
  - Private Recipe (int) keeps record of which recipes are made private
- **Ingredients**
  - Ingredient ID (serial) to keep unique list of individual ingredients
  - Recipe ID (int) to keep record of which recipe individual ingredients are used
- **Liked Recipes**
  - ID (serial) to keep track of individual liked recipes
  - User ID (int) to keep track of which user liked the recipe
  - Recipe ID (int) to keep track of which recipe the user liked
- **Grocery List**
  - ID (serial) to keep track of individual grocery lists
  - Ingredient ID (int) to keep track of individual ingredients to add to grocery list
  - User ID (int) to keep track of individual grocery list per user
- **Occasions**
  - ID (serial) to keep track of individual occasions
  - User ID (int) to keep track of which user the occasions belong to
  - Recipe ID (int) to keep track of which recipes the user wanted to add
  - Date (date) the specific dates the user wanted to use the recipe on