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

Part 1: Conceptual Planning - Word/Google/Pages Doc¶

Brainstorming:

- Login Info
    - Username
    - Password
    - Email
- User Profile
    - Pic
    - Saved recipes
- Feed with 'friends' posts/recipes/reviews
- Recipe List
    - private/public feature
    - author
- Saved Recipe/Grocery lists
- Grocery List for each recipe - ingredients + amounts
- Ingredients for each recipe - holds all possible ingredients
- Events - these hold recipes, date of event, name event

Table Ideas:

- Users - holds user_id username, password, email
- User Recipes - user_id of user who saved it, and a recipe_id
- Recipes (private/public) - holds reccipe_id, author (foreign key user_id),
- Events - event date, event name, user
- EventRecipes - holds the id for a specific event and the id for the recipe wanted
- Grocery List - ingredients, amount
- Ingredients - holds all possible ingredients
- Friends - holds two users

Relationships:

One-to-one:

- none

One-to-Many:

- User to events (bc our app only has one user per event share events)

Many-to-Many:

- User to recipes
- User to user (Friends)
- Events to Recipes

```
CREATE TABLE users (
  id SERIAL PRIMARY KEY,
  username VARCHAR(255),
  password VARCHAR(255),
  email VARCHAR(255)
  );

CREATE TABLE friends (
  id SERIAL PRIMARY KEY,
  user_1 INTEGER REFERENCES users(id),
  user_2 INTEGER REFERENCES users(id)
  );

CREATE TABLE recipes (
  id SERIAL PRIMARY KEY,
  creator_id INTEGER REFERENCES users(id),
  instructions VARCHAR(10000),
  grocery_list VARCHAR(5000),
  private BOOLEAN DEFAULT True
);

CREATE TABLE events (
  id SERIAL PRIMARY KEY,
  event_name VARCHAR(255),
  date DATE,
  user_id INT REFERENCES users(id)
);

CREATE TABLE event_recipes (
  id SERIAL PRIMARY KEY,
  event_id INT REFERENCES events(id),
  recipe_id INT REFERENCES recipes(id)
);
```

```
CREATE TABLE user_recipes (
  id SERIAL PRIMARY KEY,
  recipe_id INT REFERENCES recipes(id),
  user_id INT REFERENCES users(id)
);

INSERT INTO users (username, password, email) VALUES
('dylanwiseman','123456','dylan@devmountain.com');
```