Brainstorming:

1. User id
2. Email
3. Password
4. Username
5. Recipes
6. Publicity
7. Ingredients
8. Grocery lists
9. Occasions
10. Recipes to occasions
11. Ingredients to grocery lists

User flows:

1. Start at homepage with a popular recipe
2. Profile page where you can add a recipe
3. Set publicity on recipe added
4. View grocery list
5. Add occasions
6. Decide if going to an occasion

Table Ideas:

1. Users - tracks user information
2. Recipes - tracks ingredients and instructions
3. Ingredients - Ingredients for a recipe
4. Instructions - Instructions for a recipe
5. Grocery Lists - tracks grocery items added from recipes
6. Occasions - tracks event details
7. Event Details - tracks individual details

Relationships:

1. One-One
    a. Instructions to Recipe
2. One-Many
    a. Grocery List
    b. Occasions
3. Many-Many
    a. Recipes
    b. Users
    c. Ingredients

Columns:

1. Users:

    a. Id
    b. Email
    c. Password
    d. Username
    e. Recipes
    f. Grocery List
    g. Occasions
2. Recipes:
    a. Id
    b. Ingredients
    c. Publicity
    d. Instructions
    e. User
3. Ingredients:
    a. Id
    b. Ingredient name
    c. User
4. Instructions:
    a. Id
    b. Instruction Step
    c. User
5. Grocery:
    a. Id
    b. List Items
    c. User
6. Occasions:
    a. Id
    b. Recipes
    c. Event Details
7. Event Details:
    a. Id
    b. Date
    c. Location
    d. Time
    e. User

Creating Tables

```
CREATE TABLE users (
        id SERIAL PRIMARY KEY,
  email VARCHAR(275),
  password VARCHAR(275),
  username VARCHAR(275),
```

```
  recipes INT,
  grocery_list INT,
  occasions INT
);

CREATE TABLE recipes (
        id SERIAL PRIMARY KEY,
  ingredients VARCHAR(275),
  instructions INT,
  publicity BOOLEAN,
  user INT
);

CREATE TABLE ingredients (
        id SERIAL PRIMARY KEY,
  ingredient_name VARCHAR(275),
  user INT
);

CREATE TABLE instructions (
        id SERIAL PRIMARY KEY,
  instruction_step VARCHAR(275),
  user INT
);

CREATE TABLE grocery_list (
        id SERIAL PRIMARY KEY,
  list_items INT,
  user INT
);

CREATE TABLE occasions (
        id SERIAL PRIMARY KEY,
  recipes INT,
  event_details INT,
  user INT
);

CREATE TABLE event_details (
        id SERIAL PRIMARY KEY,
  dates DATE,
  location VARCHAR(275),
  time_of_day TIME,
  user INT
```

);