**Summary:**

We want to create a recipe creating/sharing and grocery list app. You’ll be planning out what tables we’ll need, what information they’ll store, and how the data will relate to each other.

**Features/MVP:**

* 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

**Data:**

Users:

* + - user\_id
    - name
    - email
    - password
    - bio
    - timestamp account created
    - recipe counter
    - recipe status

Recipes:

* + - recipe\_id
    - recipe name
    - recipe status (private/not private)
    - recipe ingredients
    - recipe instructions
    - chef\_id

Friends:

* + - follow\_id
    - follower id
    - followed id
    - recipe id’s

Grocery:

* + - grocery\_id
    - recipe id
    - ingredient id

**Table Ideas:**

Users table:

* + - user\_id
    - user\_name
    - user\_email
    - user\_password
    - user\_bio
    - user\_timestamp
    - recipe\_count
    - recipe\_status

Recipes:

* + - recipe\_id
    - recipe\_name
    - recipe\_picture
    - recipe\_ingredients
    - recipe\_instructions
    - chef\_id foreign key int not null references users(user\_id)

Friends:

* + - follow\_id
    - follower\_id FK user\_id
    - following\_id FK user\_id

Ingredients:

* + - ingredient\_id
    - ingredient\_name
    - ingredient\_picture

Create List:

* + - list\_id
    - list\_recipe\_id FK
    - list\_ingredient\_id FK

Occasions:

* + - occasion\_id
    - occasion\_recipe\_id FK

**Relationships:**

* + - one to one
    - one to many
      * + user => recipes
        + user => lists
        + user => occasions
        + list => recipes
        + recipes => ingredients
    - many to many
      * + follower => following
        + ingredients => recipes
        + occasions => recipes
        + ingredients => recipes

**Seed File:**

CREATE TABLE users (

user\_id SERIAL PRIMARY KEY,

user\_name VARCHAR(50) NOT NULL,

user\_email VARCHAR(100) NOT NULL,

user\_password VARCHAR(500) NOT NULL,

user\_bio VARCHAR(1000),

account\_created TIMESTAMP NOT NULL,

user\_recipe\_count INT,

user\_recipe\_status BOOLEAN

);

CREATE TABLE recipes (

recipe\_id SERIAL PRIMARY KEY,

recipe\_name VARCHAR(100) NOT NULL,

recipe\_img TEXT,

recipe\_instructions VARCHAR(2000) NOT NULL,

recipe\_ingredients\_id INT NOT NULL REFERENCES ingredients(ingredient\_id),

chef\_id INT NOT NULL REFERENCES users(user\_id)

);

CREATE TABLE friends (

follow\_id SERIAL PRIMARY KEY,

follower\_id INT NOT NULL REFERENCES users(user\_id),

following\_id INT NOT NULL REFERENCES users(user\_id)

);

CREATE TABLE ingredients (

ingredient\_id SERIAL PRIMARY KEY,

ingredient\_name VARCHAR(50) NOT NULL,

ingredient\_picture TEXT NOT NULL

);

CREATE TABLE create\_lists (

list\_id SERIAL PRIMARY KEY,

list\_recipe\_id INT NOT NULL REFERENCES recipes(recipe\_id),

list\_ingredient\_id INT NOT NULL REFERENCES ingredients(ingredient\_id)

);

CREATE TABLE occasions (

occasion\_id SERIAL PRIMARY KEY,

occasion\_owner\_id INT NOT NULL REFERENCES users(user\_id),

occasion\_recipe\_id INT NOT NULL REFERENCES recipes(recipe\_id)

);