**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

**tables:**

* Users table:
  + User\_id
  + recipe\_id
  + Name
  + Email
  + Password
* Occasions table:
* occasion\_id
* recipe\_id
* user\_id
* Recipes table:
  + recipe\_id
  + user\_id
  + ingredient\_id
  + recipe\_status
  + recipe\_name
* Grocery lists table:
* grocery\_id
* ingredient\_id
* quantity
* Ingredients table:
* ingredient\_id
* ingredient\_name
* ingredient\_quatity
* instructions table:
* instruction\_id
* ingredient\_id
* instruction\_name
* picture
* direction
* viewing table:
* view\_id
* viewer\_id

**Relationships:**

* One to one
* One to many
* user -> recipes
* instruction -> ingredients
* occasion -> recipes
* Many to many
  + users -> viewers

CREATE TABLE users(

user\_id SERIAL PRIMARY KEY,

recipe\_id INT REFERENCES recipes(recipe\_id),

user\_name VARCHAR(50) NOT NULL,

user\_email VARCHAR(500) NOT NULL,

user\_password VARCHAR(500) NOT NULL

);

CREATE TABLE occasions(

occasion\_id SERIAL PRIMARY KEY,

recipe\_id INT REFERENCES recipes(recipe\_id),

user\_id INT REFERENCES users(user\_id)

);

CREATE TABLE recipes(

recipe\_id SERIAL PRIMARY KEY,

user\_id INT REFERENCES users(user\_id),

ingredient\_id INT REFERENCES ingredients(ingredient\_id),

recipe\_status BOOLEAN,

recipe\_name VARCHAR(200) NOT NULL

);

CREATE TABLE grocery\_lists(

grocery\_list\_id SERIAL PRIMARY KEY,

ingredient\_id INT REFERENCES ingredients(ingredient\_id),

quantity INT

);

CREATE TABLE ingredients(

ingredient\_id SERIAL PRIMARY KEY,

ingredient\_name VARCHAR(200),

ingredients\_quatity INT NOT NULL

);

CREATE TABLE instructions(

instruction\_id SERIAL PRIMARY KEY,

instruction\_name TEXT NOT NULL,

ingredient\_id INT REFERENCES ingredients(ingredient\_id),

picture VARCHAR(2000),

direction TEXT

);

CREATE TABLE viewing(

view\_id SERIAL PRIMARY KEY,

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

);

**Working on sandbox:**

CREATE TABLE users(

user\_id SERIAL PRIMARY KEY,

recipe\_id INT ,

user\_name VARCHAR(50) NOT NULL,

user\_email VARCHAR(500) NOT NULL,

user\_password VARCHAR(500) NOT NULL

);

ALTER TABLE users

ADD FOREIGN KEY (recipe\_id) REFERENCES recipes(recipe\_id);

CREATE TABLE occasions(

occasion\_id SERIAL PRIMARY KEY,

recipe\_id INT,

user\_id INT

);

ALTER TABLE occasions

ADD FOREIGN KEY (recipe\_id) REFERENCES recipes(recipe\_id);

ALTER TABLE occasions

ADD FOREIGN KEY (user\_id) REFERENCES users(user\_id);

CREATE TABLE recipes(

recipe\_id SERIAL PRIMARY KEY,

user\_id INT,

ingredient\_id INT),

recipe\_status BOOLEAN,

recipe\_name VARCHAR(200) NOT NULL

);

ALTER TABLE recipes

ADD FOREIGN KEY ( user\_id) REFERENCES users( user\_id);

ALTER TABLE recipes

ADD FOREIGN KEY (ingredient\_id) REFERENCES ingredients(ingredient\_id);

CREATE TABLE grocery\_lists(

grocery\_list\_id SERIAL PRIMARY KEY,

ingredient\_id INT ,

quantity INT

);

ALTER TABLE grocery\_lists

ADD FOREIGN KEY (ingredient\_id) REFERENCES ingredients(ingredient\_id);

CREATE TABLE ingredients(

ingredient\_id SERIAL PRIMARY KEY,

ingredient\_name VARCHAR(200),

ingredients\_quatity INT NOT NULL

);

CREATE TABLE instructions(

instruction\_id SERIAL PRIMARY KEY,

instruction\_name TEXT NOT NULL,

ingredient\_id INT,

picture VARCHAR(2000),

direction TEXT

);

ALTER TABLE instructions

ADD FOREIGN KEY (ingredient\_id) REFERENCES ingredients(ingredient\_id);

CREATE TABLE viewing(

view\_id SERIAL PRIMARY KEY,

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

);