BRAINSTORMING

FEATURES:

- Sign in
- Create recipes
- Mark recipes as public or private
- View others recipes
- Add ingredients from recipes to grocery list
- Create occasions and assign recipes to occasions

THINGS TO KEEP TRACK OF:

Users can sign in

- Username
- Email
- Password

Create recipes

- Add ingredients
- Add amounts for ingredients
- Mark as public or private

View other recipes

- Name of user that uploaded recipe
- Name of recipe

TABLE IDEAS:

Users

Recipes

Ingredients

quantities

Grocery list

RELATIONSHIPS:

One-to-one

- Username to user
- Password to user

- Email to user

One-to-many
- User to recipes
-

Many-to-many
- Recipes to ingredients
- Ingredients to grocery list

COLUMNS:

Users
- user_id
- first_name
- last_name
- email
- password
  (storing all this so that we have a way of identifying users)

Recipes
- recipe_id
- recipe_name
- user_id (stored to associate recipe to user it belongs to)

Ingredients
- ingredient_id
- ingredient_name
- recipe_id (stored to link ingredients to specific recipes)

Quantites
- amount
- ingredient_id(stored so we know how much of each ingredient)

Grocery_list
- Ingredient_id

```
CREATE TABLE users (
  user_id SERIAL PRIMARY KEY,
  first_name VARCHAR(255),
  last_name VARCHAR(255),
  email TEXT,
  password VARCHAR(25)
  );
```

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

CREATE TABLE ingredients (
  ingredient_id SERIAL PRIMARY KEY,
  ingredient_name TEXT,
  recipe_id INT REFERENCES recipes(recipe_id)
  );

CREATE TABLE quantities (
  amount TEXT,
  ingredient_id INT REFERENCES ingredients(ingredient_id)
  );
CREATE TABLE grocery_list (
  ingredient_id INT REFERENCES ingredients(ingredient_id)
  );
```