Brainstorming

User: email, password, name, comments

Recipes: name, id, user-id, ingredients, instructions, public/private.

Grocery list: recipes_id, user_id

Occasions: recipes_id, user_id, date

Home Page: nav bar, sign-in, profile

Recipe Page: nav bar, recipe name, ingredients

Table Ideas

User Table;This will hold info about the user.

Recipes Table; This will hold info about the recipes.

Grocery list table; This will hold grocery list items.

Comment Table; This will hold user comments.

Ingredients table; This will hold ingredients for recipes.

Relationships

One to One

One to Many

Recipe→Ingredients
User→Comments
User→Recipe
Recipe→Comments
User→Grocery List
Occasion→User
Occasion→Recipe

Many to Many

Ingredients→Grocery list

Columns

User:

Id,name,email,password,comments,recipes,grocery list.
We need the most data for this section because it will store everything

Recipes:

Recipe id, user id, name.
This just needs the ids of the recipe and user with the recipe name.

Comments:

Comment_id, user_id, recipe_id.
We need to show which user made the comment also with what recipe he/she commented on.

Grocery List:

Grocery_id, user_id.
This is only used for that individual user because it is their private grocery list.

Ingredients:

Id, recipe_id, grocery_id, name.
We need to have which recipe we are using so it knows the ingredients we need. Also has name for the ingredients so you can add to you grocery list.

SQL:

```
-- CREATE TABLE recipe (
--   id SERIAL PRIMARY KEY,
--   user_id INTEGER NOT NULL REFERENCES users(id),
--   recipe VARCHAR(255) NOT NULL
-- );

-- CREATE TABLE users(
--    id SERIAL PRIMARY KEY,
--   name TEXT NOT NULL,
--   email VARCHAR(255) NOT NULL,
--   password VARCHAR(255) NOT NULL,
--   comments TEXT,
--   recipes VARCHAR(255),
--   groceries VARCHAR(255)
-- );

-- CREATE TABLE occasion(
--    id SERIAL PRIMARY KEY,
```

```
--   recipe_id INTEGER NOT NULL REFERENCES
recipe(id),
--   user_id INTEGER NOT NULL REFERENCES
users(id),
--   occasion VARCHAR(255) NOT NULL
-- );

-- CREATE TABLE comments(
--     id SERIAL PRIMARY KEY,
--   user_id INTEGER NOT NULL REFERENCES
users(id),
--   recipe_id INTEGER NOT NULL REFERENCES
recipe(id),
--   comment TEXT NOT NULL
-- );

-- CREATE TABLE groceries(
--     id SERIAL PRIMARY KEY,
--   user_id INTEGER NOT NULL REFERENCES
users(id),
--   recipe_id INTEGER NOT NULL REFERENCES
recipe(id),
--   groceries VARCHAR(255)
-- );

-- CREATE TABLE ingredients(
--     id SERIAL PRIMARY KEY,
```

```
--   recipe_id INTEGER NOT NULL REFERENCES
recipe(id),
--   grocery_id INTEGER NOT NULL REFERENCES
groceries(id),
--   ingredients VARCHAR(255)
-- );
```