**~~Brainstorming:~~**

**~~Users Table:~~**

* ~~User\_id~~
* ~~Password~~
* ~~Email~~
* ~~First\_name~~
* ~~Last\_name~~
* ~~User\_bio~~

**~~Recipes:~~**

* ~~Recipe\_id~~
* ~~author\_id~~
* ~~Ispublic~~
* ~~recipe\_ingredients~~
* ~~Recipe\_content~~
* ~~Recipe\_instructions~~

**~~Occasions:~~**

* ~~Occasion\_id~~
* ~~Occasion\_name~~
* ~~host\_id~~
* ~~Recipe\_id~~

**~~Grocery List:~~**

* ~~grocery\_id~~
* ~~Recipe\_ingredients~~

**Tables:**

**Users Table:**

* User\_id
* Password
* Email
* First\_name
* Last\_name

**Recipes:**

* Recipe\_id
* author\_id
* Ispublic
* Recipe\_instructions

**Ingredients:**

* Ingredient\_id
* Recipe\_id
* Ingredient\_name
* quantity

**Occasions:**

* Occasion\_id
* Occasion\_name
* Host\_id
* Recipe\_id

**Grocery List:**

* grocery\_list\_id
* User\_id

**Grocery\_List\_Ingredient:**

* Grocery\_list\_ingredient\_id
* Ingredient\_id
* Grocery\_list\_id

**Occasion Recipe Table:**

* occasion\_recipe \_id
* Occasion\_id
* recipe\_id

**Relationships:**

**One to One:**

**One to Many:**

* Users- recipes
* Recipes-ingredients
* User-occasions
* User- grocery list

**Many to Many:**

* groceryLists - ingredients
* Recipes - occasions

**Columns:**

**Users**

* Userid - this is the primary key for organization
* Password - text field for pw
* Email - text field for email
* First name- text for name
* Last name - text for name

**Occasions**

* Occasion\_id - primary key
* Occasion name - text for an event
* host \_id - to link to a user

**Occasion recipe**

* Occasionrecipeid - primary key
* Occasion\_id - to link to an occasion
* Recipe\_id - to link to a recipe

**Recipes**

* Recipe\_id - primary key
* Author\_id - to link to user
* Ispublic - to tell if others should see it
* Recipe instruction - to communicate how to do the recipe

**ingredients**

* ingrediant\_id- primary key
* Recipe\_id- to link to the recipe
* Ingredient\_name- to communicate what ingredients are
* Quantity- number for how much to ingredient

**Grocery List Ingredients**

* Grocery\_list\_ingredients\_id - primary key
* Ingredient\_id - to link to ingredients
* Grocery\_list\_id - to link to the grocery\_list

**Grocery List**

* Grocery\_ist\_id - primary key
* User\_id - to link to the user

**Our Code**

CREATE TABLE "users" (

"user\_id" SERIAL PRIMARY KEY,

"password" varchar(40),

"email" varchar(40),

"first\_name" varchar(40),

"last\_name" varchar(40)

);

CREATE TABLE "recipes" (

"recipe\_id" SERIAL PRIMARY KEY,

"author\_id" INT NOT NULL references users (user\_id),

"ispublic" BOOLEAN,

"recipe\_instruction" varchar(250)

);

CREATE TABLE "ingredients" (

"ingredient\_id" SERIAL PRIMARY KEY,

"recipe\_id" INT NOT NULL references recipes(recipe\_id),

"ingredient\_name" varchar(30),

"quantity" NUMERIC

);

CREATE TABLE "occasions" (

"occasion\_id" SERIAL PRIMARY KEY,

"occasion\_name" varchar(30),

"host\_id" INT NOT NULL references users (user\_id)

);

CREATE TABLE "grocerylist" (

"grocery\_list\_id" SERIAL PRIMARY KEY,

"user\_id" INT NOT NULL references users (user\_id)

);

CREATE TABLE "grocerylistingredients" (

"grocery\_list\_ingredient\_id" SERIAL PRIMARY KEY,

"ingredient\_id" INT NOT NULL references ingredients (ingredient\_id),

"grocery\_list\_id" INT NOT NULL references grocerylist (grocery\_list\_id)

);

CREATE TABLE "occasionrecipe" (

"occasion\_recipe\_id" SERIAL PRIMARY KEY,

"occasion\_id" INT NOT NULL references occasions(occasion\_id),

"recipe\_id" INT NOT NULL references recipes(recipe\_id)

);