Brainstorming:

Users
- User_id
- Name
- Email
- Password
- Timestamp when user was created

Recipes
- Recipe_id
- User who created recipe
- Recipe_name
- Recipe_ingredients
- Recipe_instructions
- Timestamp when recipe was created
- Public or private

Grocery List
- List_id
- Recipe_id
- User for the grocery list
- Timestamp when grocery list was created

Occasion
- Occasion_id
- Recipe_id
- User who created the occasion
- Occasions name
- Timestamp for when occasion was created

Table Ideas:

USER table (this will hold the information about the user. Login credentials and other useful info)

- User_id
- Name
- Email
- Password
- Timestamp from account creation

RECIPE table (this will hold the information on the recipes that a specific user creates)

- Recipe_id
- User_id
- Recipe_name
- Recipe_ingredients
- Recipe_instructions
- Timestamp for when recipe is created
- Public

GROCERY_LIST table (this will hold the information on the ingredients of the recipes in our list)

- List_id
- User_id
- Recipe_id
- Timestamp for when list is created

OCCASION table (this will hold the recipes for a specific occasion created by a user)

- Occasion_id
- Occasion_name
- User_id
- Recipe_id

Relationships

- One to one

    - Grocery => User
- One to many
    - User => Recipe
    - Grocery => Recipe
- Many to many
    - User => (public) recipes

SEED DATA:

```
CREATE TABLE user (
  user_id SERIAL PRIMARY KEY,
  user_name VARCHAR(50) NOT NULL,
  user_email VARCHAR(50) NOT NULL,
  user_password VARCHAR(500) NOT NULL,
  time_of_account_creation TIMESTAMP NOT NULL
);

CREATE TABLE recipe (
  recipe_id SERIAL PRIMARY KEY,
  creator_id INTEGER NOT NULL REFERENCES user(user_id),
  recipe_name VARCHAR(50) NOT NULL,
  recipe_ingredients VARCHAR(200) NOT NULL,
  recipe_instructions VARCHAR(2000) NOT NULL,
  time_of_recipe_creation TIMESTAMP NOT NULL,
  is_public BOOLEAN DEFAULT FALSE
);

CREATE TABLE grocery_list (
  list_id SERIAL PRIMARY KEY,
  list_creator_id INTEGER NOT NULL REFERENCES user(user_id),
  recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),
  time_list_was_created TIMESTAMP NOT NULL
);

CREATE TABLE occasion (
  occasion_id SERIAL PRIMARY KEY,
  occasion_name VARCHAR(50) NOT NULL,
  user_id INTEGER NOT NULL REFERENCES user(user_id),
  recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id)
);

CREATE TABLE ingredients (
  ingredients_id SERIAL PRIMARY KEY,
  recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),
  ingredients_list VARCHAR(200) NOT NULL REFERENCES recipe(recipe_ingredients)
);
```