BRAINSTORMING

- User can login/register to app
    - User ID
    - Email
    - Username
    - Password
    - Phone number
    - Profile pic
    - First name
    - Last name
    - Address
- Users can view each other's recipes
    - User ID
    - recipe ID
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- Users can create and publish recipes
    - User ID
    - Body text
    - Timestamp
    - Can be marked as private
- Can add ingredients to grocery list
    - List ID
    - Ingredients id
- Users can create occasions
    - User ID
    - occasion ID
    - Recipe ID
    - Occasion date

TABLE IDEAS

- Users
    - Hold information about users
    - User ID
    - Name
    -
- recipes
    - Hold information related to recipes, timestamp, pictures, ingredients text, instructions text
    - User ID
    - Recipe ID
- Authorization
    - Email, passwords, SSN, dob
- Occasions
    - Holds information related to occasions
    - Occasion ID
    - Recipe ID
    - User ID
- Grocery list
    - Recipe ID
    - List ID
    -
- Maybe a table for users to view other users recipe
    - User ID
    - Recipe ID

RELATIONSHIPS

- One to one
    - Users to authorization (there will only be one user with those authorization credentials)
    - Users to grocery list (each user will have only one grocery list)
- One to many
    - Users to occasions (users can create multiple occasions but each occasion can only be for one user)
    - Users to recipes (users can create many recipes but each recipe can only have one creator)
    - Grocery list to recipes (there will only be one grocery list with ingredients that can come from many recipes)
    - Users to
- Many to many
    - Users to recipes (many users can view many different recipes from many different users)

Columns
- Users
    - User id (int): to keep track of each user
    - Username (vachar): to give each user a username
    - First name (varchar): to assign a name
    - Last name (varchar): to assign a name
    - Email (varchar): to assign an email
- Recipes
    - Recipe id (int): to keep track of each recipe
    - User id (int): to link the user table
    - Instructions (text): body text
    - Ingredients id (int): to link the ingredients table
    - Image (text): hold any image url
    - Time (timestamp): timestamp
- Authorization
    - Password (varchar): contains users password
    - Dob (date): contains users date of birth
    - User id (int): links users table
- Occasions
    - Occasion ID (int): tracks occasions id

- Date (date): contains date of occasion
- Recipe ID (int): links recipe table
- User id (int): links user table
- Grocery list
    - List id (int): tracks list id
    - Ingredients id (int): links ingredients table

Statements

- CREATE TABLE users(
- user_id SERIAL PRIMARY KEY,
- username VARCHAR(255),
- fisrt_name VARCHAR(255),
- last_name VARCHAR(255),
- dob DATE,
- email VARCHAR(255)
-);
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- CREATE TABLE authorize(
- password VARCHAR(255),
- user_id INT REFERENCES users(user_id)
-);
- CREATE TABLE ingredients(
- ingredients_id SERIAL PRIMARY KEY,
- ingredients TEXT
-);
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- CREATE TABLE recipe (
- recipe_id SERIAL PRIMARY KEY,
- user_id INT REFERENCES users(user_id),
- instructions TEXT,
- ingredients_id INT REFERENCES ingredients(ingredients_id),
- image TEXT
-);
- CREATE TABLE occasions(
- occasion_id SERIAL PRIMARY KEY,
- occasion_date DATE,
- recipe_id INT REFERENCES recipe(recipe_id),
- user_id INT REFERENCES users(user_id)
-);
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- CREATE TABLE groceries(

- list_id SERIAL PRIMARY KEY,
- ingredients_id INT REFERENCES ingredients(ingredients_id)
-);
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