

GROCERY SHOPPING APP

Features

- users can sign into the app with their email and password
- users can create recipes with ingredients and instructions
- recipes can be marked as public or private
- users can view other people's recipes
- ingredients from recipes can be added to user's grocery lists
- users can create their own occasions and assign recipes to occasions

Brainstorming

- users can sign into the app with their email and password
 - User info
 - Email
 - password
- users can create recipes with ingredients and instructions
 - Recipes
 - Ingredients
 - Instructions
- recipes can be marked as public or private
 - Recipe Privacy
- users can view other people's recipes
 - Recipe Likes
 - Recipe ID/User ID
 - User comments
 - View Counter
- ingredients from recipes can be added to user's grocery lists
 - Grocery List ID
 - Ingredients
- users can create their own occasions and assign recipes to occasions
 - Occasions
 - Recipe assign

Table Ideas

- User
 - This table will hold information about the user, each row will hold each unique user
- Auth
 - User email and sign in verification
- Ingredients
 - Stores available ingredients that can be viewed or added to Recipes
- Recipes
 - Stores a collection of instructions and ingredients
- Occasions
 - This table will hold information about the occasion chosen, each row will hold the recipe for each occasion selected
- Like/Comment
 - Logs who has commented, followed, or liked the recipe/occasion

Relationships

- One-to-one
 - User table and auth table
 - One user will have 1 set of auth information
- One-to-many
 - Occasions table and Like/Comment table
 - One user created occasion can add many recipes others posted
- Many-to-many
 - Ingredients and Recipes
 - There can be many ingredients for many recipes

Columns

- person
 - Name
 - VARCHAR
 - Want users to enter in their own name
 - Age
 - INTEGER
 - To collect users age as a number
 - Location
 - VARCHAR
 - Want users to enter their location
- Auth
 - Email
 - VARCHAR
 - Allows user to enter email
 - Password
 - TEXT
 - To allow any text to be used as a password
- ingredient
 - ingredient_name
 - TEXT
 - To allow the name of the ingredient to be entered
 - Img_url
 - VARCHAR
 - Allows for an image URL of the ingredient
- recipe
 - Instructions
 - VARCHAR
 - User can write out recipe instructions
 - Img_url
 - VARCHAR
 - Allows for an image URL of the ingredient
- occasion
 - Name
 - VARCHAR
 - Allows user to name their created occasion
- comment
 - Text
 - VARCHAR
 - Users text input to be used for comment
 - Today date
 - TIMESTAMP
 - To record when the user made the comment

```
CREATE TABLE person (  
  person_id SERIAL PRIMARY KEY,  
  name VARCHAR(50),  
  age INTEGER,  
  location VARCHAR(100)  
);
```

```
CREATE TABLE auth (  
  auth_id SERIAL PRIMARY KEY,  
  person_id INTEGER NOT NULL REFERENCES person(person_id),  
  email VARCHAR(225),  
  password text  
);
```

```
CREATE TABLE occasion (  
  occasion_id SERIAL PRIMARY KEY,  
  person_id INTEGER NOT NULL REFERENCES person(person_id),  
  name VARCHAR(50)  
);
```

```
CREATE TABLE recipe (  
  recipe_id SERIAL PRIMARY KEY,  
  person_id INTEGER NOT NULL REFERENCES person(person_id),  
  occasion_id INTEGER NOT NULL REFERENCES occasion(occasion_id),  
  instructions VARCHAR(500),  
  img_URL VARCHAR(500)  
);
```

```
CREATE TABLE ingredient (  
ingredient_id SERIAL PRIMARY KEY,  
recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),  
ingredient_name TEXT,  
img_URL VARCHAR(500)  
);
```

```
CREATE TABLE comment (  
comment_id SERIAL PRIMARY KEY,  
person_id INTEGER NOT NULL REFERENCES person(person_id),  
occasion_id INTEGER NOT NULL REFERENCES occasion(occasion_id),  
recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),  
comment VARCHAR(255),  
today_date TIMESTAMP  
);
```