

RECIPE CREATING / SHARING APP & GROCERY LIST

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FEATURES

- New users can create account or view limited recipes as guest
- Existing users can sign in with username / password
- Users with accounts can save recipes to their app recipe book
 - “My recipes”
- Users can create recipes
 - Ingredients
 - Instructions
- Recipe privacy settings
 - Public
 - Private
- Users can view others recipes
- Ingredients from recipes can be added to users grocery lists
- Users can create their own occasions and assign recipes to occasions

BRAINSTORMING (what to keep track of in the app)

- New users can view limited recipes as guests or create their own account
 - User info
 - First name
 - Last name
 - Phone
 - email
- Existing users can sign into the app with username and password
 - User info
 - Email
 - Password
 - Username
- Users can create recipes

- Name recipes
 - Add instructions
 - Add ingredients
 - Add macros
 - Allergy info (possibly allergy alternatives)
- Recipe privacy settings
 - Users can set their recipes to private or public
 - Private
 - Only viewable when shared by user
 - Public
 - Viewable by anyone who finds it
- Users can view recipes
 - Search for recipes (if recipes are public)
 - See instructions
 - See ingredients
 - Measurements
 - Macros / micros / nutrition
 - Allergy info
 - Recipe reviews
 - Comments
 - Star ratings
 - Search for recipes (request access if private)
 - See instructions
 - See ingredients
 - Measurements
 - Macros / micros / nutrition
 - Allergy info
- Ingredients from recipes can be added and categorized on grocery lists
 - Users can create grocery lists
 - Recipes can be added to the grocery list
 - Grocery list can be saved and named
 - Users can input ingredients they already have and grocery lists can be recommended within the ingredients they have

- App will notify you saying “you have the perfect amount of ingredients for THIS RECIPE”
- Users can create occasions (parties, events etc)
 - Save recipes to occasions

TABLE IDEAS

- User
 - Username, user id, personal info
- Recipe
 - Foods, ingredients needed, measurements, cooking instructions
 - Pre made grocery list
 - Recipe updates
 - Push to users who have saved this recipe and notify them
 - Comments / star ratings
 - Users can leave comments / recommendations
 - Users can leave star ratings
- Author
 - Creator of recipe
 - Recipes created by user
 - Author can view comments / ratings
 - Author can review comments / ratings but not edit them
 - Author can update recipe
 - Once author updates recipe, the new version will be saved but the old version will still be available
- Saved Recipe
 - Username, user id, saved recipes
 - Foods, ingredients, measurements, cooking instructions
 - Saved grocery lists
 - Comments

- Recommendation
 - Recipe based on input foods
 - Username, user id, food input
 - Grocery list
- Occasion
 - Date / time / holiday
 - Recipes based on date / time / holiday
 - Users can create occasions
 - Birthdays
 - Family events
- ~~● Allergy~~ ****moved allergies to user table****
 - ~~○ Users can input their allergies

 - ~~■ Once a recipe is found, the allergy will appear in red text and notify the user with a pop up that the allergy contains selected foods~~~~
 - ~~○ Stored to username / user id~~
- Grocery List
 - Include ingredients for recipes
 - Author of recipe
 - Measurements / ingredients / instructions for recipe
- COMMENTS / RATINGS
 - Users are able to leave comments and ratings on recipes
 - Authors will be notified but cannot adjust ratings / recipes
- NOTIFICATIONS
 - Authors are able to adjust recipes and save them
 - Users who have saved the recipe are notified when a recipe has changed

RELATIONSHIPS

- One-to-one
 - Author to user account
 - One author per user account
- One-to-many
 - Author to recipe

- Authors may create multiple recipes
- Author to occasion
 - Authors may create multiple occasions
- Author to grocery list
 - Authors may create multiple / save grocery lists
- User to grocery list
 - Users may create / save multiple grocery lists
- Notifications
 - One user can get many notifications
- Many-to-many
 - Author recipe to users
 - Authors may create multiple recipes for users to view
 - Grocery list to users / authors
 - Grocery lists may be saved by multiple authors / users
 - Recommendation to users
 - Multiple recommendations may be used / seen by multiple authors / users

COLUMNS

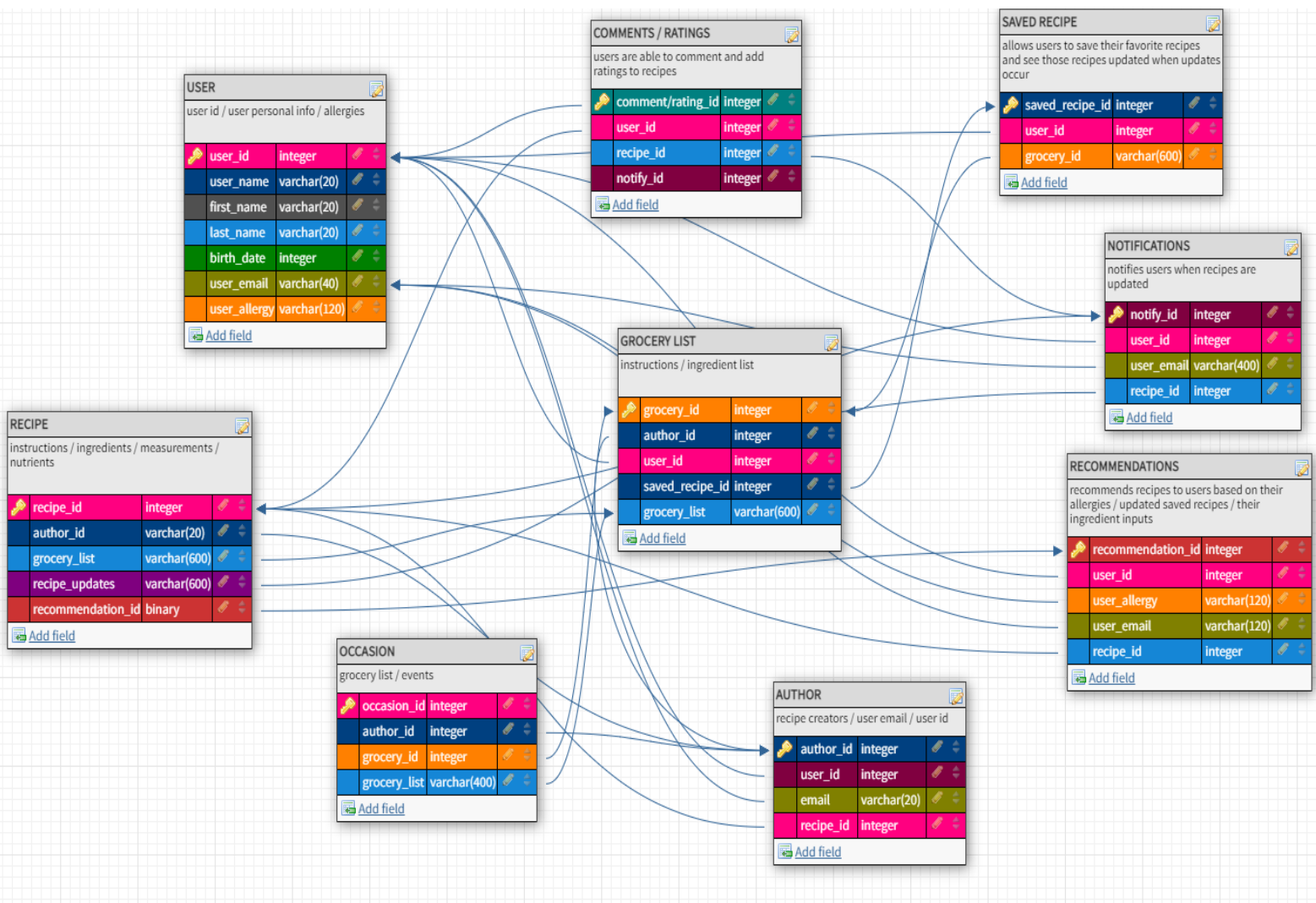
- USER
 - User-id
 - Each user will have a unique id that separates them from everyone
 - User-name
 - Allows for company / app to address them by name and allows for some account personalization
 - First name / last name
 - Allows users to sign up for app - first and last are required by company
 - Birth date
 - Required when signing up for marketing purposes
 - User email

- Required during signup to verify account signup and help with any future account issues
- User allergy
 - Helps users have a better experience by helping them filter out and find recipes that best suit them
- RECIPE
 - Recipe id
 - Each recipe will have a unique id that separates from others
 - Author id
 - Ties recipe id to author id
 - If author has fans then those fans can watch for notifications from that author
 - The author can go into their own recipes and adjust them
 - Grocery list
 - Grocery list of what ingredients are needed for the recipe
 - Recipe updates
 - Sends updates to users who have saved the recipe
- OCCASION
 - Occasion id
 - Separates occasion from others
 - Author id
 - Allows for authors to save their own occasions and share with other users
 - Allows for authors to adjust occasions
 - Grocery id

- Pulls grocery list id from grocery list so that occasion has access to grocery list
- GROCERY LIST
 - Grocery id
 - Each grocery list has its own id that separates it from others
 -
 - Grocery list
 - Includes instructions for preparing recipe
 - Includes all grocery information
 - Food list
 - Instructions for food prep
 - Macros / micros / nutrition info
 - Author id
 - Allows for author to edit grocery list
 - User id
 - Allows for users to save grocery list to saved recipes
 - Saved recipe id
 - Allows for each user to have their own list of saved recipes
- AUTHOR
 - Author id
 - Each author has their own id that separates them from others
 - User id
 - Each user has their own unique id
 - Email

- Each author has their own unique email for their account
 - recipe id
 - Each new recipe created by the author has its own id
- RECOMMENDATIONS
 - Each recommendation has a separate id from the rest
 - User id
 - Each recommendation will reach out to the user who has a recipe id saved
 - User allergy
 - Holds user allergy info and updates them on any recipe updates including allergy info to ensure they are avoiding allergies and or seeing recommendations for replacement items
 - User email
 - Updates are sent to users email so they don't miss updates
 - Recipe id
 - Each time a recipe is updated the user will be sent a new recommendation based on the changes made
- NOTIFICATIONS
 - Notify-id
 - Each notification has its own id that separates it from the rest
 - User id
 - User ids are saved under notifications so that it knows which users to send the notifications to (based on saved recipes etc)

- User email
 - Notifications are sent to users email to help ensure that they don't miss updates
- Recipe id
 - As soon as a recipe is updated, the recipe id is tracked
- SAVED RECIPE
 - Saved recipe id
 - Each saved recipe has its own id
 - User id
 - Each user will have their own saved recipes
 - Grocery id
 - Saves each grocery id the user has saved so that the user can view each unique grocery list
- COMMENTS / RATINGS
 - Comment / rating id
 - Each comment has its own id
 - Rating does not have its own id as it is tied to a comment or no comment
 - User id
 - Each comment / rating is tied to the unique user id
 - Recipe id
 - Each comment / rating is tied to the unique recipe id
 - Notify id
 - Notifications are sent to each unique author id so that they can see how the community feels about their dish



```

CREATE TABLE users (
  user_id SERIAL PRIMARY KEY UNIQUE,
  user_name VARCHAR(20),
  first_name VARCHAR(20),
  last_name VARCHAR(20),
  birth_date DATE,
  user_email VARCHAR(30),
  user_allergy VARCHAR(120)
);

```

```
-- ALTER TABLE users
--   ADD user_password VARCHAR(25);

-- CREATE TABLE recipes (
--   recipe_id SERIAL PRIMARY KEY UNIQUE,
--   author_id INT NOT NULL REFERENCES
authors(author_id),
--   grocery_list VARCHAR NOT NULL REFERENCES
groceries(grocery_list),
--   recipe_updates VARCHAR(500),
--   recommendation_id INT NOT NULL REFERENCES
recommendations(recommendation_id)
-- );

-- CREATE TABLE authors (
--   author_id SERIAL PRIMARY KEY UNIQUE,
--   user_email VARCHAR NOT NULL REFERENCES
users(user_email),
--   user_password VARCHAR NOT NULL
REFERENCES users(user_password),
--   recipe_id INT NOT NULL REFERENCES
recipes(recipe_id)
-- );

-- CREATE TABLE groceries (
--   grocery_id SERIAL PRIMARY KEY UNIQUE,
--   author_id INT NOT NULL REFERENCES
authors(author_id),
--   user_id INT NOT NULL REFERENCES
users(user_id),
```

```
-- saved_recipe_id INT NOT NULL REFERENCES  
saved_recipes(saved_recipes_id),  
-- grocery_list VARCHAR(500)  
-- );
```

```
-- CREATE TABLE comments_ratings (  
--   comment_rating_id SERIAL PRIMARY KEY  
UNIQUE,  
--   user_id INT NOT NULL REFERENCES  
users(user_id),  
--   recipe_id INT NOT NULL REFERENCES  
recipes(recipe_id),  
--   notify_id INT NOT NULL REFERENCES  
notifications(notify_id)  
-- );
```