RECIPE SHARING/GROCERY 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

BRAINSTORM

- Users can sign into the app with their email and password
    - User information
        - Email
        - Password
- Users can create recipes with ingredients and instructions
    - Post recipe instructions
    - Post author
    - URL
        - Video
        - Image
        - product
    - List ingredients
- Recipes can be marked as public or private
    - Post recipe settings
        - Post in group or to public forum
- Users can view other peoples recipes
    - Post in public forum
    - Comment on post
- Ingredients from recipe can be added to users grocery list
    - Product URL
    - Post ingredients
    - Add all products in recipe to grocery list
- Users can create their own occasions and assign recipes to those occasions.
    - Separate recipe based on occasions

RECIPE SHARING/GROCERY APP

TABLE IDEAS

- Users
    - Holds info about our users personal information and login information
- Auth
    - Holds information about the user's login details
        - Email, password
- Post
    - Hold info related to who wrote the post, info about the post itself (text, date/time, any image/video/product URL, total cost of ingredients needed for recipe)
- Comment
    - Hold info about who wrote the comment, which post the comment is for, what the comment said, date/time of the comment, recipe review.
- Friends
    - Stores who is friends with whom
    - Friends can make suggestions/edit ingredients
    - Potluck meetups to share recipes/ideas
- Stores
    - Stores information about grocery stores within app
        - Pick-up/delivery options
        - Location
        - Discount options
        - Hours
- Products
    - Stores information about the products needed for recipes
    - Stores information about the products in stores
        - In stock/out of stock
            - Low stock

RECIPE SHARING/GROCERY APP

RELATIONSHIPS

- One - to - one:
    - Auth to Users
        - Why: Auth table and Users table because the Users information is specific to each individual user

- One - to - many:
    - Comment to Users
        - Why: because many Users can comment on one Users recipe
    - Post to Users
        - Why: because Users can post multiple times
    - Friends to Users
        - Why: each user can have multiple Friends

- Many - to - many:
    - Stores to Users
        - Why: because there are multiple stores available to the users
    - Products to Users
        - Why: because there are multiple products available to the users

RECIPE SHARING/GROCERY APP

COLUMNS

- Users
    - User_id (need to know who the person is)
        - DT: int - because it is a number
    - Age (need to know users age)
        - DT: int - because it is a number
    - Location (need to know users location (stores available))
        - DT: varchar - because each users location is different
- Auth
    - Auth_id (need to know if the user is the person they say they are)
        - DT: int - because it is a number that doesn't change
    - Email (need to know the users email for login)
        - DT: varchar - because everyone has a unique email for login
    - Password (need to know users password for login)
        - DT: text - because passwords can be anything
    - User_id (needs to match the auth_id to access account)
        - DT: int - because it is specific to the user
- Post
    - Post_id (need to know info about post)
        - DT: int - because each post is unique
    - User_id (need to know who the user is that posted)
        - DT: int - because it is specific to the user
    - Recipe_id (need to know information about recipe posted)
        - DT: varchar - because each recipe will range in length of information provided
    - Text (need to know the text written about the recipe/post)
        - DT: varchar - because each post will range in length
    - Image_url (need to know where the image came from
        - DT: varchar - because URLs can vary in length
    - Video_url (need to know where to find video)
        - DT: varchar - because URLs can vary in length
    - Product_url (need to know where to find the product)
        - DT: varchar - because URLs can vary in length
    - Date_and_time (need to know when the post was posted)
        - DT timestamp - because we are wanting to know when the post was posted (date and time)

    - Comment_id (need to know who commented on the post)
        - DT: int - because each comment id will be specific to a user

- Comment
    - Comment_id (need to know who commented on the post)
        - DT: int - because each comment id will be specific to a user
    - User_id (need to know who the user is that posted)
        - DT: int - because it is specific to the user
    - Post_id (need to know info about post)
        - DT: int - because each post is unique
    - Text (need to know the text written within the comment
        - DT: varchar - because each comment will range in length
- Friends
    - Friends_id (need to know who the friend is)
        - DT: int - because each friend has a unique id
    - Friends_user_id (need to know what the friends user id is)
        - DT: int - because each friend has a specific user id
- Products
    - Products_id (need to know specific info about product)
        - DT: int - because each product has a unique id
    - Recipe_id (need to know information about recipe posted)
        - DT: varchar - because each recipe will range in length of information provided
    - Store_id (need to know specific information about stores (location, stock, hours))
        - DT: int - because each store is unique as far as info
- Stores
    - Store_id (need to know specific information about stores (location, stock, hours))
        - DT: int - because each store is unique as far as info
    - Friends_id (need to know who the friend is)
        - DT: int - because each friend has a unique id

RECIPE SHARING/GROCERY APP

CREATE TABLE LINES:

```
CREATE TABLE user(
  user_id SERIAL PRIMARY KEY,
  age INT,
  location VARCHAR (50)
  );


CREATE TABLE auth(
  auth_id SERIAL PRIMARY KEY,
  email VARCHAR(50),
  password TEXT,
  user_id INT
  );


CREATE TABLE post(
  post_id SERIAL PRIMARY KEY,
```

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```
 recipe_id VARCHAR(5000),

 user_id INT,

 post_text VARCHAR(200),

 image_url VARCHAR(500),

 video_url VARCHAR(500),

 product_url VARCHAR(500),

 date_and_time TIMESTAMP,

 comment_id INT

 );
```

```
CREATE TABLE comment(

 comment_id SERIAL PRIMARY KEY,

 user_id INT,

 post_id INT,

 comment_text VARCHAR(300)

 );
```

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```
CREATE TABLE friends(
 friends_id SERIAL PRIMARY KEY,
 friends_user_id INT
 );

CREATE TABLE products(
  product_id SERIAL PRIMARY KEY,
  recipe_id VARCHAR(5000),
  store_id INT
  );

CREATE TABLE stores(
  store_id SERIAL PRIMARY KEY,
  friends_id INT
  );
```

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