RECIPE CREATE/SHARING & GROCERY LIST APP

RECIPE & GROCERY APP BRAINSTORMING -

users can login in and register
- user id - username - password - email - date of birth - location
- - users can post recipes - user id - recipe id - privacy settings - input/content - type
- - users can view other people's recipes - user id - recipe id -
- user can add grocery lists - grocery list id - recipe id -
- user can assign occasions to recipe - occasions id - recipe id

TABLE IDEAS
- Users - holds basic info about user -

Authorization - holds user login details (email, password, username, etc)

- Recipe - ingredients, baking/cooking instructions, foodie photos, recipe comments from other users
- - Grocery List -ingredients from recipe added to shopping list
- - Occasion - occasion recipe is assigned to
- - Privacy -allows user to make recipe private or public

RELATIONSHIPS
-One to One -
Users to authorization (information meant to be kept private) - User to Privacy (if recipe is made private) -

One to Many
- Recipe to grocery list (one recipe could be added to multiple shopping lists) - Recipe to occasion (one recipe could be assigned to multiple occasions

- User to Privacy (if recipe is made public. Many users will be able to recipe)

-Many to Many - users to recipe (if other users left comments about the recipe and additional information about /baking/cooking)``

COLUMNS

USERS
- user_id:
  - Is a primary key that stores unique userID
- first_name
  - Varchar that stores username, does not have to be unique
- last_name
  - Varchar that stores users last name, does not have to be unique
- Image
  - Optional image posting for user, allows null if user does not want to post
- Bio
  - Optional text for user to input information about self, allows null if user does not want a bio

AUTH
- User_id
  - Foreign key, connected to unique user ID to allow access to user info
- Email
  - Varchar, has to be unique to user information
- Password
  - Varchar, does not have to be unique
- DOB
  - Date, refers to DOB
- SSN
  - Varchar(9) refers to the 9, unique, characters in a Social. Not number because the number will not be used.

RECIPE
- recipe_id
  - Primary key that assigns each posted recipe to a integer
- user_id
  - Foreign key, refers to the unique user_id that post the recipe
- recipe_name
  - Varchar with text to give the recipe a title.
- recipe_instruction
  - Text data type that allows the user to post the recipe instructions
- Image
  - Text data type that allows the user an option to post a recipe image
- time_stamp
  - Timestamp datatype that gives time of posting

GROCERY LIST
- Grocery_id
  - Primary key, assigns unique id to an integer
- Recipe_id
  - Foreign key, refers to the recipe table, by accessing the unique recipe id

OCCASION
- Occasion_id
  - Integer that gives the occasion a special id
- recipe_id
  - Foreign key that refers to the recipe table and the food type/occasion
- user_id
  - Foreign key that refers to the unique user_id.

COMMENTS
- comments_id
  - Integer, primary key, that gives each comment a unique id
- recipe_id
  - Foreign key, that allows the user to make specific comments for unique recipe ids
- user_id
  - Foreign key that refers to the user, who the commenter is talking to
- Comment_text
  - Text datatype that allows the users to make comments

Creating Tables

```
 --   CREATE TABLE users (
--         user_id SERIAL PRIMARY KEY,
--         first_name VARCHAR(255),
--         last_name VARCHAR(255),
--         image TEXT,
--         bio TEXT
-- )

-- CREATE TABLE recipe (
--         recipe_id SERIAL PRIMARY KEY,
--         user_id INTEGER NOT NULL REFERENCES users(user_id),
--         recipe_name VARCHAR(255),
--         recipe_ingredients TEXT,
--         recipe_instruction TEXT,
--         image TEXT,
--         time_stamp TIMESTAMP
-- );

-- CREATE TABLE comments (
--         comments_id SERIAL PRIMARY KEY,
--         recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),
--         user_id INTEGER NOT NULL REFERENCES users(user_id),
--         comment_text TEXT
-- );

-- CREATE TABLE grocery_list (
--         grocery_id SERIAL PRIMARY KEY,
--         recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),
--         list TEXT
-- );

-- CREATE TABLE occasion (
--         occasion_id SERIAL PRIMARY KEY,
--         recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id),
--         user_id INTEGER NOT NULL REFERENCES users(user_id)
-- );

-- CREATE TABLE auth (
--   authorization_id SERIAL PRIMARY KEY,
--         user_id INTEGER NOT NULL REFERENCES users(user_id),
--         email VARCHAR(255),
--         password VARCHAR(255),
--         DOB DATE,
--         SSN VARCHAR(9)
-- );
```

INTTERMEDIATE

```
-- INSERT INTO users (first_name, last_name, image, bio)
-- VALUES ('Jessica', 'Steen', NULL, NULL);


-- SELECT * FROM users;

-- INSERT INTO recipe (user_id, recipe_name, recipe_ingredients, recipe_instruction, image)
-- VALUES (1, 'Pot Roast', 'meat, carrots, potatoes', 'put it in a crockpot', NULL);

-- INSERT INTO occasion (recipe_id, user_id)
-- VALUES (1, 1);

SELECT * FROM occasion
```