- 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
        - post list ingredients
        - post steps for recipe
    - recipes can be marked as public or private
        - marked public or private- boolean?
    - users can view other people's recipes
        - recipe text
        - recipe author
    - ingredients from recipes can be added to user's grocery lists
        - grocery list stored
        - maybe link grocery items to specific recipes?
    - users can create their own occasions and assign recipes to occasions
        - occasion name
        - recipes associated to recipe
    - Users can create a shopping cart
        - shopping cart on user's profile
- table ideas
    - User Info-  This table will hold all the info about a specific user.  E.name, favorite recipes, to-buy list
    - Recipe Table- This table will hold a specific recipe.  Included will be ingredients list and directions
    - ingredient table- separate list of ingredients
    - GroceryStore Table-  This table will hold a user's personal grocery list
    - Occasions Table- A table that holds a collection of different recipes specific to a certain occasion
    - authentication- user id, password, email


- Relationships
    - One to One
        - UserInfo to GroceryStore
        - Authentication to User Info

- - - ■ Recipe Table to Recipes Table
    - ○ One to many
      - ■ OccasionsTable to Recipe Table
      - ■ User Info to Recipes Table
    - ○ Many to Many
      - ■ IngredientsTable to RecipeTable

- Columns
  - ○ Authentication
    - ■ Email
      - ● to identify user
    - ■ Password
      - ● to log in
    - ■ User_id (foreign Key)
      - ● foreign key to link to user profile
  - ○ user_info
    - ■ name
      - ● User needs a name
    - ■ age
      - ● Online environment, for moderation
    - ■ favorite_recipe
      - ● cause it's fun!
  - ○ ingredients
    - ■ name
      - ● To reference ingredients
  - ○ grocery_list
    - ■ ingredient_id
      - ● foreign key to link ingredients
    - ■ user_id
      - ● foreign key to link to user's acct
    - ■ recipe_id
      - ● foreign key to link to specific recipes
  - ○ recipe
    - ■ directions
      - ● to list details of recipe
    - ■ private
      - ● boolean to set to public or private
    - ■ ingredients_id
      - ● foreign key to link to ingredients list
    - ■ user_id
      - ● foreign key to link to profile to list author
  - ○ occasion
    - ■ occasion_name

- - to make occasion
    - user_id
      - foreign key to link profile
    - recipe_id
      - foreign key to link to recipes
-

create table user_info(

user_id serial primary key,

name varchar (25),

age integer,

favorite_recipe varchar (25),

)

create table auth(

auth_id serial primary key,

email varchar (50),

password varchar (50),

user_id integer not null references user_info(user_id)

)

create table ingredient(

ingredient_id serial primary key,

name varchar (25)

)

CREATE TABLE Grocery_list (

ingredient_id INTEGER NOT NULL REFERENCES ingredient(ingredient_id),

user_id INTEGER NOT NULL REFERENCES user_info(user_id),

recipe_id INTEGER NOT NULL REFERENCES recipe(receipe_id)

);

```
CREATE TABLE recipe (
directions TEXT(400),
private BOOL,
ingredient_id INTEGER NOT NULL REFERENCE ingredient(ingredient_id),
user_id INTEGER NOT NULL REFERENCE user_info(user_id)
);

CREATE TABLE occasion (
occasion_name VARCHAR(20),
user_id INTEGER NOT NULL REFERENCE user_info(user_id),
recipe_id INTEGER NOT NULL REFERENCE recipe(recipe_id)
)
```

**INTERMEDIATE**

```
INSERT INTO ingredient (name)
VALUES ('BASIL');
```