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

- User name
- User email
- User password
- User phone #
- User gender
- User id
- Recipe ID
- User post
- Post content(ingredients and instructions, recipes, recipes to occasions)
- Post privacy
- User comment
- Who follow who
- User's grocery lists id
- Occasion id
- Recipes + occasion
- Other people id
- Other people recipe id
- Other Recipes + occasion
- Other people name
- Other people post
- Other people post's content
- Other people cmt
- Other people review

Column:

Tables:

User table: This will hold the user info

- User_id (to hold the unique user id)
- Email (to hold the user Email and verify account)
- Password (to hold the user Password and verify account)

- First name (to hold the user first name)
- Last name (to hold the user last name)
  Gender (to hold the user gender)
- Phone number (to hold the user phone number)
- Profile picture (to know how user look)
- Interests (to hold the user interests)

Ingredients: this will hold ingredient info

- ingredient-id (to hold the ingredient unique id)
- ingredient-name (to hold what kind of ingredients)

Recipes: this will hold recipe info and link to ingredient

- Recipes-id (to hold the recipe unique id)
- Ingredient id
- Picture (to attract other people)
- Title (to give other people info about the food)
- Ingredient
- Instruction
- Post privacy (public or only me)

Occasion: this will hold the occasion info and link to recipes

- Occasion_id (to hold the occasion unique id)
- Occasion Name (what kind of occasion)
- Recipes id
- User id : refer back to user id to link user id to to user's occasions
- Picture : to attract other people

Grocery list : link to user, recipes and ingredient

- Grocery list-id (to hold unique grocery list number)
- User id (refer back to user to identify who owns the grocery list)
- Recipe id (refer back to recipe to grab ingredient for the list)

Recipe _ user table (connect user and recipe)

- User-id (refer back to user id to link user to user's recipe)
- Recipe- id (refer back to recipe id to link recipe to user who use it)

Recipe_ingredient table (connect recipe and ingredient)

- Recipe-id(refer back to recipe id to link recipe to recipe's ingredient)

- Ingredient_id (refer back to ingredient id to link recipe to ingredient)

Relationship

One to one : user => private recipes

One to many : author => recipes

Many to many :
Ingredient => recipe
Recipe => occasion
Ingredient => grocery list
User => recipe

```
CREATE TABLE users (
  user_id SERIAL PRIMARY KEY,
  email VARCHAR(50),
  password VARCHAR(500),
  user_first_name VARCHAR(50),
  user_last_name VARCHAR(50),
  gender VARCHAR(10),
  user_phone INT,
  profile_pic TEXT
);
```

INSERT INTO users (email, password, user_first_name, user_last_name, gender, user_phone, profile_pic)
VALUES ('hellocode@gmail.com', 'kjfndjfnjdf', 'Hoag',' Kin', 'F',4, 'hey.pnj');

SELECT * FROM users

```
CREATE TABLE ingredients (
  ingredient_id SERIAL PRIMARY KEY,
  ingredient_name VARCHAR(100)
);
```

INSERT INTO ingredients (ingredient_name)
VALUES ('fish');

SELECT * FROM ingredients

```
CREATE TABLE recipes (
  recipe_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(100),
  picture TEXT,
  ingredient_id INTERGER NOT NULL REFERENCES ingredient(ingredient_id),
  instruction VARCHAR(1000),
  post_privacy BOOLEAN
);
```

INSERT INTO recipes (recipe_name, picture, instruction, post_privacy)
VALUES ('Corn bread', 'corn.img', 'Made with all cornmeal, straight buttermilk, and no added sugar (like it should be!) in a cast iron skillet, this cornbread is an easy dinner side dish.', True);

SELECT * FROM recipes

```
CREATE TABLE occasion(
  occasion_id SERIAL PRIMARY KEY,
  occasion_name VARCHAR(100),
  picture TEXT,
  recipe_id INTERGER NOT NULL REFERENCES recipe(recipe_id),
  user_id INTERGER NOT NULL REFERENCES user(user_id)
);
```

INSERT INTO occasions (occasion_name, picture)

VALUES ('Christmas', 'corn1.img');

SELECT * FROM occasions

```
CREATE TABLE recipe_user(
  user_id INTERGER NOT NULL REFERENCES user(user_id),
  recipe_id INTERGER NOT NULL REFERENCES recipe(recipe_id)
);

CREATE TABLE grocery_list(
  grocery_list_id SERIAL PRIMARY KEY,
  user_id INTERGER NOT NULL REFERENCES user(user_id),
  recipe_id INTERGER NOT NULL REFERENCES recipe(recipe_id)

);


CREATE TABLE recipe_ingredient(
 recipe_id INTERGER NOT NULL REFERENCES recipe(recipe_id),
 ingredient_id INTERGER NOT NULL REFERENCES ingredient(ingredient_id)
);
```