

- 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(recipe_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');
```