

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:

user id

user name

email

password

recipe id

Recipe name

recipe ingredients

public or private

recipe instructions

occasions id

occasions

grocery item id

grocery item

grocery list

TABLE IDEAS:

Users Table: Allows to keep track of Users info. And each user will be a separate line.

User_Id, User Name, Password, email.

Recipe table: keeps track of recipes and their content and displays them in individual rows.

Recipe id, Recipe name, recipe ingredients, recipe instructions, user id. Public or private

Occasions: This table will enable new occasions to be recorded.

occasions id, Recipe id, occasions.

Grocery Table: Allows to keep track of grocery info for the user and will be shown on separate lines

grocery item id, grocery item, grocery list, user _id.

Relationship:

One-to-one:

One-to-many:

Users to recipe: one user to many recipes

Users to occasions: one user can have many occasions

Users to groceries :one user to many groceries
Occasions to groceries:one occasion too many groceries.

Many-to-many:

Grocery item to recipes:Many groceries to many recipes

Occasions to recipes:Many occasions to many recipes

Columns:

Users Table:

User_Id, integer primary. So each person has a unique id and primary to give each one a unique number.

User Name, Varchar Users can choose their username. Varchar so they can use different characters

Password, Varchar Users can choose their passwords. Varchar so they can use different characters.

email.Varchar email to connect their account. Varchar so they can use different characters.

Recipe table:

Recipe id, integer primary So each recipe has a unique id and primary to give each one a unique number.

Recipe name, Varchar To give each recipe a name. Varchar so they can type out the different names

recipe ingredients, Varchar. To show the ingredients needed for the recipe. Varchar so they can type out the different ingredients

recipe instructions, Varchar To shoe the instructions for each recipe. Varchar so they can type out the different ingredients.

user id. Integer foreign Used to connect different recipes to each user that is using it. Foreign to connect

Public or private Boolean To make each recipe viewable to the public or not. Boolean to make true or false.

Occasions:

occasions id, integer primary So each occasion has a unique id and primary to give each one a unique number.

Recipe id, integer foreign. To connect what recipe goes with what occasion

Occasions. Varchar To give each occasion a name. Varchar so they can type out the occasion.

Grocery Table:

grocery item id, integer primary So each grocery has a unique id and primary to give each one a unique number.

grocery item, Varchar To name each grocery. Varchar so they can type out the grocery.

grocery list, Varchar To name each list they have for the groceries. Varchar so they can type out the list.

user_id. Integer foreign. To connect each user to their grocery list and items. Foreign so it connects.

```
CREATE TABLE Users (  
    User_id serial PRIMARY KEY NOT NULL,  
    User_name varchar(255) NOT NULL,  
    Password varchar(255) NOT NULL,  
    Email varchar(255) NOT NULL  
  
);  
  
CREATE TABLE Recipe (  
    Recipe_id serial PRIMARY KEY NOT NULL,  
    Recipe_name varchar(255) NOT NULL,  
    Recipe_ingredients varchar(255) NOT NULL,  
    Recipe_instructions varchar(255) NOT NULL,  
    User_id integer REFERENCES users(User_id) NOT NULL,  
    Public_or_Private BOOLEAN NOT NULL  
  
);  
  
CREATE TABLE Occasions (  
    occasions_id serial NOT NULL,  
    occasions varchar(255) NOT NULL,  
    Recipe_id integer REFERENCES recipe(recipe_id) NOT NULL  
  
);  
  
CREATE TABLE Grocery (  
    Grocery_id serial NOT NULL,  
    Grocery_item varchar(255) NOT NULL,  
    Grocery_list varchar(255) NOT NULL,  
    User_id Integer REFERENCES users(user_id) NOT NULL  
  
);
```