App

* 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

Tables

Recipes

Columns:

* Recipe ID -Need to clarify different Recipes
* User ID -who created the recipe
* Text (varchar(num)) -Content of the recipe
* Likes - Who likes the recipe
* Time Posted (date) - When it was posted
* Pictures
* Rating
* Occasion ID -To let Occasions reference Recipes
* Public/Private - Boolean
* Ingredient ID - Let ingredients reference Recipes
* Ingredient Measurement - Need to know for correct measurements

Comments

Columns:

* Recipe ID - Clarifying what recipe is being commented on
* Text (varchar(num))
* User ID - Who is commenting

Users

Columns:

* User ID
* Username -Unique
* First Name
* Last Name
* Picture

Authentication

Columns:

* Email
* Password
* User ID
* DOB
* Phone Number

Occasions

Columns:

* Occasion ID
* Text (varchar(num))
* Date
* User ID - Who created the occasion

Groceries List

Columns:

* User ID -Who made the list
* Grocery ID -To clarify which grocery list
* Date (when created)
* Recipe ID (can be null) -To allow list to reference Recipes
* Ingredients ID - To allow list to reference Ingredients
* Ingredient Quantity - To show how much is needed

Ingredients

Columns:

* Item
* Price
* Grocery ID - Let list reference ingredients
* Ingredients ID

Relationships

One to One

* Users to Authentication

One to Many

* User to Recipes
* Recipe to Comments
* Users to Comments
* Users to Occasions
* User to Groceries List
* Ingredients to Groceries List

Many to Many

* Recipes to Occasions
* Ingredients to Recipes
* Groceries List to Recipes