**Brainstorming**

User

User data (password email)

Recipes

Recipe Steps

Grocery list

Occasions

Measurements

Who wrong the recipes and occasions

**Table Ideas**

User – will store user information, each row will be a different user

* Email
* Password
* User posts

Author

* User ID

Recipes – will store recipe data and will reference other sources, each row will be a different recipe

* Food for recipe id
* Quantity
* Steps (steps\_id)
* Occasions associated with (recipe occasions)
* Author (user\_id)

Recipe Steps – a list of specific steps for a recipe, each row will house all steps needed for a specific recipe

* Recipe id
* Steps

Steps – all possible steps stored here with an ID

* Step
* Step id

Food for Recipe – all food needed for a specific recipe, each row will have a different set of food needed

* **Recipe id**
* **food id**
* **quantity**

**Food**

* **All food stored here – list of all possible food and price**

**Grocery list – list of food users added to cart, each line will store a different food and quantity**

* **Food\_id**
* **Quantity**
* **Price**

**Occasions – lists all occasions and who created them in each line**

* **Occasion type**
* **Recipes associated with (recipes ID)**
* **User that made the occasion**

**Occasions for recipe – lists what recipes an occasion is associated with**

* **Occasion ID**
* **Recipe ID**

**Relationships**

**One-to-one**

User to author -> one user to one author account, data is only used once.

**One-to-many**

User to recipes -> users can have many recipes, but recipes can only have one author

Grocery list > food – food stores all food and but this specific list will only select food from the list, the food list should not need to reference the grocery list.

**Many-to-many**

Occasion >Occasion for recipe <Recipe – Occasions can have multiple recipes and recipes can have multiple occasions.

Recipe > Food for recipe < Food – recipes can have multiple food but not all food is included in every recipe. By creating a separate table we can reduce the number of nulls.

Recipe > Steps for Recipe < Steps – recipes can have multiple steps but not all steps are included in every recipe. By creating a separate table we can reduce the number of nulls.

Columns

User

Email – to ensure users are unique

Password – for logging in

User\_id – to link items to account and ensure there are unique users

Author

Author ID

User ID – to reference the user

Recipe ID – to reference any posts made by user

Occasions

Occasion id – to re

Author id – to link

Occasion name- for simplicity, this is a descriptor

Grocery list

User id – to link

Food id- to link

Quantity- for ease

Food

food\_id- to link

name- desc

price- for ease

food for recipe

food\_for\_id -to reference

food\_id – to link

quantity- to specify

recipe\_id- to link

occasions for recipe

occasion\_id – to link

recipe\_id- to link

steps

step\_id- to link

step description- specifics

step name- desc

steps for recipe

step\_id – to link

recipe\_id- to link

recipe

recipe\_id- to link

food\_for\_id – to link to food list

author\_id- to link to author

name- description

private – either yes or no