**Brainstorming:**

* **Users need to be able to interact with other user’s recipes**
* **Recipes need to contain specific ingredients with ids that can be added to grocery lists**
* **Users need to be able to create occasions with lists of recipes for that occasion pulled from a recipe table**
* **Shopping list that holds the user id and the ingredient Id to keep track of ingredients**

**Tables:**

* Users – List of users in the database
  + Passwords
  + Username
  + Email
  + Id
  + Recipes
  + Shopping lists
  + Occasions
* Admins – list of admins
  + Admin name
  + Admin password
  + Admin email
  + Admin id
* Recipes- List of recipes that also lists the user that created the recipe and the ingredients inside the recipe
  + Recipe id
  + Recipe name
  + User id
  + Ingredient id
  + Instructions
* Ingredients- List of ingredients that can be used inside recipes and added to shopping lists
  + Ingredient id
  + Ingredient name
* Shopping lists- List of gathered ingredients by a specific user containing ids for the ingredients they wish to buy
  + Shopping list id
  + User id
  + Ingredients id
* Occasions- List of recipes created by one user and accessible to others for occasions that require multiple recipes
  + Occasion name
  + Occasion id
  + User id
  + Recipe id
* Reviews – List of reviews for recipes
  + Review id
  + User id
  + Review text
  + Recipe id
* Post – posts by user
  + Post\_id
  + User\_id
  + Public\_value
  + Recipe\_id
  + Occasion

**Relationships:**

* Users = One to Many: Only one part of users will be used in other tables
* Recipes = Many to Many: Many parts of recipes will be used in other tables
* Ingredients = One to many: Only one value of ingredients will be used in other tables
* Shopping List = One to One: Only one value in shopping lists will relate to only one other value in another table
* Occasions = One to one: One part of occasions will be used in one other table

**Columns:**

* Users
  + Passwords – Users passwords should be store for log in
  + User\_name – keep track of a user’s identity
  + Email – for log in and notifications
  + Id – to log each user as an individual in the database
  + Recipes
  + Shopping lists
  + Occasions
* Admins
* Recipes
* Ingredients
* Shopping Lists
* Occasions
* Reviews
* Posts