*App 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

*Brainstorm*

* user information – email/password/username
* recipes for each user
* ingredients and instructions for each recipe
* recipes marked public and those that are private
* a feed with the other users’ recipes
* users’ grocery list
* ingredients added the grocery list
* occasions for the user
* recipes assigned to the occasion

*Table Ideas*

* users: it will contain the user username, email, and password\_hash for each individual user.
* recipes: it will contain the user\_id the recipe belongs to, the ingredients referenced from an ingredient list, instructions for each recipe, and if the recipe is public or private
* ingredients: it will contain each ingredient; each row will be an individual ingredient
* recipes\_feed: this will contain reference to the recipe and the user
* grocery\_list: this will contain reference to the user and the ingredients
* occasion: this will contain information about the occasion and reference to the recipe and user.

*Relationships*

One-to-one:

* users to grocery\_list: one user will have one grocery list

One-to-many:

* users to recipes: one user may have many recipes
* users to ingredients: one user may have many ingredients
* users to occasions: one user may have many occasions

Many-to-many:

* recipes to ingredients: many recipes may have many ingredients