DATABASE ASSIGNMENT

PART 1 - BRAINSTORMING

- Email
- Password
- Posts
- Followers
- Recipes
- Ingredients
- Instructions
- Grocery lists
- Occasions
- Required cooking tools
- Prep time
- Cook time
- Substitutions
- Share
- Comments
- Groups

PART 2 - TABLE IDEAS

- **Users** - This table will hold user info and data important to the user itself
- **Posts** - This table will hold info regarding individual posts, where they're from and what they contain
- **Recipes** - This table will hold info pertaining to whose recipe it is, where it came from and what the details of the recipes are including everything required from shopping to finished result
- **Ingredients** - This table will hold info about the ingredients themselves but also to what recipe it relates to.
- **Grocery List** - This table will hold info pertaining to specific recipes, and what is required to accomplish a recipe
- **Occasions** - This table will hold info as to different types of occasions and their relation to certain recipes
- **Kitchen Items** - This table will hold info listing different types of items that may be necessary for specific recipes
- **Share** - This table will hold info that is directly correlating between the people original post and the person sharing the post
- **Comments** - This table will hold info regarding the content of the comment as well as where it's from and where it's being attached to
- **Group** - This table will hold info about group type as well those involved in the group

- **Group + Users Join** - This table will hold info regarding user id's and group id's as they can have many of each other
- **Recipes + Ingredients Join** - This table will hold info regarding recipe id's and ingredient id's as they can have many of each other
- **Comments + Posts Join** - This table will hold info regarding comments and posts' id's as they can have many of each other

Part 3 - Relationships -

- Many to Many -
  - **Users and Groups** - because many users can have many groups, and many groups and have many users
  - **Comments and Posts** - because many comments can be found on many posts and many posts can have many comments
  - **Recipes + Occasions** - because many recipes can have more than one occasion and many occasions can have many different recipes
  - **Recipes + Ingredients** - because recipes can have a lot of different ingredients but also ingredients can belong to a lot of different recipes. Chicken can be made a lot of different way in a lot of different recipes but a lot of different recipes also call for chicken
  - **Kitchen Items + Recipes** - because many recipes can call for many kitchen items and many kitchen items can be used for many recipes. For instance, a paella pan can be used for many different recipes, and many recipes can call for a paella pan.
- One to Many -
  - **Users** - because users can have many posts, comments, groups, shares, recipes
  - **Posts** - because posts can have many comments, shares and recipes
  - **Recipes** - because recipes can come from many users, can have many different ingredients and can be found on many different posts

- **Share** - because many users can share a post but not those shares are only tied to that user and that post
- One to One -
  - **Ingredients/Grocery List** - This relationship is a one-to-one because there is only one grocery list for a list of ingredients