

## Brainstorming & Table Ideas:

- Users: Using an account object, this table will collect the personal identification of individual app users. This includes their first and last name, email, username, stored password, photo optional, and link to related lists: my recipes, my grocery list, my occasions.
  - User emails
  - User names
  - User passwords
  - User ids
  - User photo
- My Recipes: Using a custom object, this table will collect recipes that individual users want to try or have created themselves using a 'Create' option. The table will be a detail object to the user account object and will include fields such as those listed below. Users will be able to share their recipes to a public folder if they desire and include photos if they desire.
  - Reference master-detail relationship User Id
  - Recipe Id
  - Recipe Name
  - Recipe Instructions
    - Recipe Ingredients
    - Recipe Photo
    - Kitchen tools
- Ingredients/Products(could include ingredients and kitchen tools): The ingredients/products list will be a look-up relationship field on the instructions object. Each ingredient, as it is added by various users, will be added to the table. Users will have the option to 'Create New Product' and 'Select' products to add to their instructions when they create a new recipe. Each recipe uses a specific set of ingredients, but any ingredient can be used in any recipe.
  - Product ID
  - Product Name
  - Default Price
- Recipe Instructions: Recipe instructions are unique to each recipe. If the recipe is deleted, then so are the instructions. Therefore, each set of recipe instructions needs to have a detail master-detail relationship with a particular recipe. Instructions should also have a look-up relationship with the ingredient/products object.
  - Reference Recipe Id
  - Recipe Photo
  - Reference look-up relationship to product ID
- Public Recipes: Public recipes will be stored in its own table/folder. This should include a look up to the user id who created the recipe, as well as a reference to the instructions and the ingredients need in the instructions.
  - Recipe Id reference
  - Recipe Name

- Recipe Instructions
  - Recipe Photo
  - Recipe Creator User Id reference
- My Grocery List: The grocery list object should have a detail master-detail relationship with a user id. The grocery list object should be unique to individual users and users should only have one grocery list. Users should be able to add groceries to the grocery list directly from a recipe instruction record.
  - Reference master detail relationship User Id
  - Reference recipe instructions
- Occasions List: This table should be a list of popular occasions. Users should be able to tag recipes with a holiday id tag and later use that tag to filter for specific holidays.
  - Holiday ID tag
  - Look-up recipes reference public and personal recipes and add tag.