

Class Name	Responsibilities	Collaborators
Ingredient	<ul style="list-style-type: none"> <li>- Has description</li> <li>- Has amount</li> <li>- Has unit</li> <li>- Has ingredient category</li> </ul>	
Owned Ingredient (single, in house)	<ul style="list-style-type: none"> <li>- Has best before date</li> <li>- Has location</li> </ul>	<ul style="list-style-type: none"> <li>- Extends Ingredient</li> </ul>
Recipe	<ul style="list-style-type: none"> <li>- Has a title</li> <li>- Has a preparation time</li> <li>- Has a number of servings</li> <li>- Has a recipe category</li> <li>- Has comments</li> <li>- Has a photo</li> <li>- Has list of Ingredients</li> <li>- Can add Ingredient to the list of Ingredients</li> <li>- Can delete Ingredient to the list of Ingredients</li> </ul>	<ul style="list-style-type: none"> <li>- Contains Owned Ingredient</li> </ul>
Meal	<ul style="list-style-type: none"> <li>- Has a list of Ingredients</li> <li>- Can have a Recipe, which will automatically fill out the list of Ingredients</li> <li>- Has a time</li> <li>- Has a number of servings</li> <li>- Can select a Recipe</li> <li>- Can select Owned Ingredients to fill out the list of Ingredients</li> <li>- Can scale the number of servings of the Recipe/combination of Owned Ingredients</li> </ul>	<ul style="list-style-type: none"> <li>- May contain Recipe</li> <li>- Contains Ingredient</li> <li>- View App (Accesses list of Owned Ingredients and list of Recipes)</li> </ul>

Meal Plan	<ul style="list-style-type: none"> <li>- Has list of Meals</li> <li>- Can add Meal to list of Meals</li> <li>- Can delete Meal from list of Meals</li> <li>- Can view details of Meals</li> <li>- Can edit Meals</li> </ul>	<ul style="list-style-type: none"> <li>- Contains Meal</li> </ul>
Shopping List	<ul style="list-style-type: none"> <li>- Has list of Ingredients that user needs to buy</li> <li>- Has list of Ingredients that the user has picked up</li> <li>- Can view Ingredients required by all the Meals</li> <li>- Can sort list of Ingredients based on description or category</li> <li>- Can view all details about Ingredient</li> <li>- Add picked up Ingredients to the list of Owned Ingredients in the App class</li> <li>- Tracks Ingredients that the user has picked up</li> </ul>	<ul style="list-style-type: none"> <li>- View/Edit App (Accesses Meal Plan and list of Owned Ingredients)</li> <li>- View Ingredient</li> </ul>
App	<ul style="list-style-type: none"> <li>- Has list of Owned Ingredients</li> <li>- Has list of Recipes</li> <li>- Has a Meal Plan</li> <li>- Can add Owned Ingredient</li> <li>- Can edit Owned Ingredient</li> <li>- Can view all details about Owned Ingredient</li> <li>- Can delete Owned</li> </ul>	<ul style="list-style-type: none"> <li>- Contains Owned Ingredient</li> <li>- Contains Recipe</li> <li>- Contains Meal Plan</li> </ul>

	<p>Ingredient</p> <ul style="list-style-type: none"><li>- Can sort Owned Ingredient list based on description, best before date, location, amount, unit, or ingredient category</li><li>- Can add Recipe</li><li>- Can edit all details of a Recipe</li><li>- Can view all details of a Recipe</li><li>- Can delete Recipe</li><li>- Can sort list of Recipes based on title, prep time, number of servings, or recipe category</li></ul>	
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