

Ingredient	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Represent an ingredient</li><li>• Can modify ingredient name</li><li>• Can show ingredient name</li></ul>	Recipe

Recipe	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Show the information about a recipe</li><li>• Knows all of its ingredients</li><li>• Can change ingredient in a recipe (itself)</li><li>• Can add new ingredients to an existing recipe (itself)</li><li>• Can delete ingredient(s)</li></ul>	Ingredient

AddRecipe	
Responsibilities	
Allows user to add ingredient to a recipe	

Food_Comparator	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Handles the extraction of comparison data.</li><li>• Implements different inner classes for comparing on different attributes</li></ul>	<ul style="list-style-type: none"><li>• Ingredients</li><li>• Recipes</li><li>• </li></ul>

Food_Storage	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will track the food items that the user has.</li><li>• Will keep count of the number of the specified ingredient items that the user has.</li><li>• Will be able to add or remove ingredients.</li><li>• Update information on certian ingredients.</li></ul>	<ul style="list-style-type: none"><li>• Recipe</li><li>• Ingredient</li><li>• Meal_Plan</li></ul>

MealPlan	
Responsibilities	
<ul style="list-style-type: none"><li>• Will allow the user to create meal plans and save individual meals</li><li>• Default activity</li></ul>	

AddIngredientToRecipeFragment	
Responsibilities	Collaborators
Allows user to add an ingredient to a recipe	EditRecipeActivity Recipe

AddNewIngredientFragment	
Responsibilities	Collaborators
Allows user to add new ingredient	Ingredient Database IngredientListActivity

Meal_Plans_Activity	
Responsibilities	Collaborators
Allows the user to view all meal plans and select a meal plan activity	• View_Meal_Activity • Meal_Plan

View_Meal_Activity	
Responsibilities	Collaborators
• Will allow the user to edit an ingredient.	• Meal_Plan • Meal_Plans_Activity

Ingredient_Adapter	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will handle the creation and linking of ingredient objects to listviews.</li><li>• Will connect the creation of ingredients to view based groups.</li></ul>	<ul style="list-style-type: none"><li>• Ingredient</li><li>• ListView</li><li>• ViewAdapter</li><li>• ListAdapter</li></ul>

Meal_Plan	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will determine the necessary ingredients and recipes to achieve goal.</li><li>• Will receive input from the user about the goal of the user.</li></ul>	<ul style="list-style-type: none"><li>• Recipe</li><li>• Ingredient</li><li>• Food_Storage</li><li>• Shopping_List</li></ul>

Responsibilities
<ul style="list-style-type: none"><li>• Will allow users to view shopping list</li><li>• Add and delete items</li></ul>

Recipe_Adapter	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will handle the creation and linking of recipe objects to listviews.</li><li>• Will connect the creation of recipes to view based groups.</li></ul>	<ul style="list-style-type: none"><li>• Recipe</li><li>• ListView</li><li>• ViewAdapter</li><li>• ListAdapter</li></ul>

Shopping_List	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will handle all of the ingredients that are being purchased.</li><li>• Will track the quantity, price of ingredients of interest.</li><li>• When purchased, the ingredients will be added to the food storage.</li><li>• Can check for ingredients needed from a specified recipe.</li></ul>	<ul style="list-style-type: none"><li>• Ingredient</li><li>• Recipe</li><li>• Food_Storage</li><li>• Meal_Plan</li></ul>

Responsibilities
<ul style="list-style-type: none"><li>• Allows the user to view recipe details.</li></ul>

ViewIngredientActivity	
Responsibilities	Collaborators

EditIngredientFragment	
Responsibilities	Collaborators

Shopping_List_Activity	
Responsibilities	Collaborators
• Will allow the user to view the list • Will allow the user to delete ingredients	<ul style="list-style-type: none"><li>• Shopping_list</li></ul>

Recipes_Activity	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will allow the user to edit an ingredient.</li></ul>	<ul style="list-style-type: none"><li>• Recipes</li><li>• Recipes_Adapter</li></ul>

ViewRecipeActivity	
Responsibilities	Collaborators
• Will allow the user to view the recipes.	<ul style="list-style-type: none"><li>• Recipe</li><li>• Ingredients</li></ul>

EditRecipeFragment	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Allows the user for editing their food recipe.</li><li>• Will update the ingredients and recipes.</li></ul>	<ul style="list-style-type: none"><li>• ViewRecipeActivity</li><li>• Recipe</li></ul>

Ingredient_Adapter sama
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Database-channels
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ViewIngredientActivity	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will allow the user to view the description and information about an ingredient.</li><li>• Allows the user to edit ingredient information.</li></ul>	<ul style="list-style-type: none"><li>• Ingredient</li><li>• IngredientListActivity</li></ul>

EditIngredientFragment	
Responsibilities	Collaborators
<ul style="list-style-type: none"><li>• Will allow the user to edit an ingredient.</li></ul>	<ul style="list-style-type: none"><li>• Ingredient</li><li>• IngredientListActivity</li><li>• Database</li></ul>

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Responsibilit
<ul style="list-style-type: none"><li>• Will handle the cre linking of ingredien to listsviews.</li><li>• Will connect the cr recipes to view bas groups.</li></ul>

IngredientListActivity	
Responsibilities	Collaborators
Displays list of ingredients	Ingredient AddNewIngredientFragment Database ViewIngredient EditIngredient

EditItemInMealPlanFragment	
Responsibilities	Collaborators
Allows user to edit existing ingredient or recipe in a meal plan	ViewMealPlanActivity Database

Add_
Responsibilit
<ul style="list-style-type: none"><li>• UI for adding recip ingredients to the r</li></ul>

Ingredient_Adapter sama	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>the creation and ingredient objects</li> <li>the creation of new based</li> </ul>	<ul style="list-style-type: none"> <li>Ingredient</li> <li>ListView</li> <li>ViewAdapter</li> <li>ListAdapter</li> </ul>

Database-chan	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Storing recipes in the cloud database</li> <li>Storing ingredients in the cloud database</li> <li>Retreiving individual/multiple recipes from the cloud databse</li> <li>Retreiving individual/multiple ingredients from the cloud database</li> <li>Storing and retreiving meal plans from the cloud database</li> </ul>	<ul style="list-style-type: none"> <li>Recipe</li> <li>Ingredient</li> <li>Meal Plan</li> <li>Food Storage</li> </ul>

Add_Item_MealPlan_Fragment	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>g recipes and to the meal plan</li> </ul>	<ul style="list-style-type: none"> <li>Meal Plan</li> <li>Database</li> <li>View_Meal_Activity</li> </ul>

PickUpPromptFragment	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>Allows user to select item in shopping list as "picked up"</li> </ul>	<ul style="list-style-type: none"> <li>Shopping_List_Activity</li> </ul>