

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

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

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

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

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
<ul style="list-style-type: none"> • Will allow the user to view all meal plans and select individual meals • Default activity 	<ul style="list-style-type: none"> • View_Meal_Activity • Meal_Plan

View_Meal_Activity	
Responsibilities	Collaborators
<ul style="list-style-type: none"> • Will allow the user to edit an ingredient. 	<ul style="list-style-type: none"> • Meal_Plan • Meal_Plans_Activity

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

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

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

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

Shopping_List_Activity	
Responsibilities	Collaborators
<ul style="list-style-type: none"> • Will allow users to view the shopping list • Add and delete ingredients 	<ul style="list-style-type: none"> • Shopping_list

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

ViewRecipeActivity	
Responsibilities	Collaborators
<ul style="list-style-type: none"> • Allows the user to view the recipe details. 	<ul style="list-style-type: none"> • Recipe • Ingredients

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

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

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

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

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

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

Add_Item_MealPlan_Fragment	
Responsibilities	Collaborators
<ul style="list-style-type: none"> • UI for adding recipes and ingredients to the meal plan 	<ul style="list-style-type: none"> • Meal Plan • Database • View_Meal_Activity

PickUpPromptFragment	
Responsibilities	Collaborators
<p>Allows user to select item in shopping list as "picked up"</p>	<p>Shopping_List_Activity</p>