Recipe

Responsibility	Collaborators
Knows Title knows preparation time Knows number of servings Knows recipe category Knows comments Knows photograph Knows a RecipeIngredientList Knows order	RecipeList RecipeIngredientList Ingredient

RecipeIngredientList

Responsibility	Collaborators
Contains a list that stores RecipieIngredient Add a new RecipieIngredient into the list Delete an existing RecipieIngredient from the list Update an existing RecipieIngredient in the list Return the list	Ingredient Recipe RecipeList

RecipeList

Responsibility	Collaborators
Contains a static list that stores Recipe Add a new Recipe into the list Delete an existing Recipe from the list Update an existing Recipe in the list Sort the list by title, preparation time, number of serving, or recipe category Return the list	Recipe RecipeIngredientList Ingredient

Ingredient

Responsibility	Collaborators
Knows description Knows amount Knows unit Knows category	RecipeIngredientList Recipe RecipeList StorageIngredient(subclass) ShoppingIngredient(subclass)

StorageIngredient

Responsibility	Collaborators
Knows description Knows location Knows best before date Knows amount Knows unit Knows category Knows order	StorageList Ingredient(superclass) ShoppingIngredient

StorageList

Responsibility
Contains a static list that stores StorageIngredient
Add a new StorageIngredient into the list.
Delete an existing StorageIngredient from the list
Update an existing StorageIngredient in the list
Sort the list by StorageIngredient description, best before date, location, and StorageIngredient category.
Return the list

Collaborators
StorageIngredient
ShoppingIngredient
ShoppingList

MealPlan

Responsibility
knows Recipe
knows number of serving
Change Recipe based on choosing from Recipe or individually from StorageList
Scale Recipe to adjust the number of serving for the MealPlan

Collaborators
StorageList
Recipe

ShoppingIngredient

Responsibility
Knows description
Knows amount
Knows unit
Knows category
knows picked
Knows order

Collaborators
ShoppingList
Ingredient(superclass)

ShoppingList

Responsibility	Collaborators
Contains a list that stores ShoppingIngredient based on StorageList and MealPlan Sort the list by Ingredient's description or category Update each ShoppingIngredient picked or not Delete a ShoppingIngredient from the list and add it into the StorageList and updates its location, actual amount and unit	StorageList Recipe Ingredient MealPlan

StorageActivity

Responsibility	Collaborators
Provide access to RecipeActivity, MealPlanActivity, ShoppingListActivity. Display list view of StorageList Can add and view StorageIngredient into the StorageList via AddIngredient Activity Can delete StorageIngredient from the StorageList Sort the StorageList listview	StorageList AddIngredientActivity RecipeActivity MealPlanActivity ShoppingActivity

AddIngredientActivity

Responsibility	Collaborators
Lets user input information of an Ingredient and add it into the corresponding list Can view and edit the detail of an existing Ingredient	StorageActivity RecipeActivity AddRecipeActivity ShoppingActivity

AddRecipeActivity

Responsibility	Collaborators
Lets user input information of a Recipe and add it into the corresponding list Can view and edit the detail of an existing Recipe	RecipeActivity AddIngredientActivity MealPlanActivity

RecipeActivity

Responsibility	Collaborators
Provide access to StorageActivity, MealPlanActivity, ShoppingListActivity. Lets user input information of a recipe and add it into the corresponding list via AddRecipeActivity Lets user input information of an ingredient and add it into the corresponding list via AddIngredientActivity Sort the RecipeList listview	StorageActivity AddRecipeActivity AddIngredientActivity MealPlanActivity ShoppingActivity

MealPlanActivity

Responsibility	Collaborators
Provide access to RecipeActivity, StorageActivity, ShoppingListActivity. Can change MealPlan by scaling recipe	StorageActivity RecipeActivity ShoppingListActivity AddIngredientActivity

ShoppingListActivity

Responsibility	Collaborators
Provide access to RecipeActivity, MealPlanActivity, StorageActivity. Can delete a ShoppingIngredient from the ShoppingList and add it into the StorageList via AddIngredientActivity Sort the ShoppingList listview	StorageActivity RecipeActivity MealPlanActivity AddIngredientActivity

ShoppingListAdapter

Responsibility	Collaborators
Display description, amount, unit, and category of shopping ingredient in the listview.	ShoppingIngredient ShoppingList

RecipeListAdapter

Responsibility	Collaborators
Display recipe	Recipe RecipeList