

Recipe

Responsibility

Knows Title
knows preparation time
Knows number of servings
Knows recipe category
Knows comments
Knows photograph
Knows a RecipeIngredientList
Knows order

Collaborators

RecipeList
RecipeIngredientList
Ingredient

RecipeIngredientList

Responsibility

Contains a list that stores RecipeIngredient
Adds a new RecipeIngredient into the list
Deletes an existing RecipeIngredient from the list
Updates an existing RecipeIngredient in the list
Returns the list

Collaborators

Ingredient
Recipe
RecipeList

RecipeList

Responsibility

Contains a static list that stores Recipe
Add a new Recipe into the list
Deletes an existing Recipe from the list
Updates an existing Recipe in the list
Sorts the list by title, preparation time,
number of serving, or recipe category
Returns the list

Collaborators

Recipe
RecipeIngredientList
Ingredient

Ingredient

Responsibility

Knows description
Knows amount
Knows unit
Knows category

Collaborators

RecipeIngredientList
Recipe
RecipeList
StorageIngredient(subclass)
ShoppingIngredient(subclass)

StorageIngredient

Responsibility

Knows description
Knows location
Knows best before date
Knows amount
Knows unit
Knows category
Knows order

Collaborators

StorageList
Ingredient(superclass)
ShoppingIngredient

StorageList

Responsibility

Contains a static list that stores StorageIngredient
Adds a new StorageIngredient into the list.
Deletes an existing StorageIngredient from the list
Updates an existing StorageIngredient in the list
Sorts the list by StorageIngredient description, best before date, location, and StorageIngredient category.
Returns the list

Collaborators

StorageIngredient
ShoppingIngredient
ShoppingList

MealPlan

Responsibility

knows Recipe
knows number of serving
Changes Recipe based on choosing from Recipe or individually from StorageList
Scales 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

Contains a list that stores ShoppingIngredient based on StorageList and MealPlan
Sorts the list by Ingredient's description or category
Updates each ShoppingIngredient picked or not
Deletes a ShoppingIngredient from the list and add it into the StorageList and updates its location, actual amount and unit

Collaborators

StorageList
Recipe
Ingredient
MealPlan

StorageActivity

Responsibility

Provides access to RecipeActivity, MealPlanActivity, ShoppingListActivity.
Displays list view of StorageList
Can add and view StorageIngredient into the StorageList via AddIngredient Activity
Can delete StorageIngredient from the StorageList
Sorts the StorageList listview

Collaborators

StorageList
AddIngredientActivity
RecipeActivity
MealPlanActivity
ShoppingActivity

AddIngredientActivity

Responsibility

Lets user input information of an Ingredient and add it into the corresponding list
Can view and edit the detail of an existing Ingredient

Collaborators

StorageActivity
RecipeActivity
AddRecipeActivity
ShoppingActivity

AddRecipeActivity

Responsibility

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

Collaborators

RecipeActivity
AddIngredientActivity
MealPlanActivity

RecipeActivity

Responsibility

Provides 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

Collaborators

StorageActivity
AddRecipeActivity
AddIngredientActivity
MealPlanActivity
ShoppingActivity

MealPlanActivity

Responsibility

Provides access to RecipeActivity, StorageActivity, ShoppingListActivity.
Can change MealPlan by scaling recipe

Collaborators

StorageActivity
RecipeActivity
ShoppingListActivity
AddIngredientActivity

ShoppingListActivity

Responsibility

Provides access to RecipeActivity, MealPlanActivity, StorageActivity.
Can delete a ShoppingIngredient from the ShoppingList and add it into the StorageList via AddIngredientActivity
Sorts the ShoppingList listview

Collaborators

StorageActivity
RecipeActivity
MealPlanActivity
AddIngredientActivity

ShoppingListAdapter

Responsibility

Displays description, amount, unit, and category of shopping ingredient in the listview.

Collaborators

ShoppingIngredient
ShoppingList

RecipeListAdapter

Responsibility

Displays recipe

Collaborators

Recipe
RecipeList