

BaseBindingActivity

Responsibility

Connect xml view with java code

Collaborators

AppCompatActivity

BaseFindingFragment

Responsibility

Help to connect xml views with java code

Collaborators

Fragment

BindAdapter

Responsibility

Customize connection between xml views with java code

Collaborators

BindHolder
RecyclerView.Adapter

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BindHolder	
Responsibility Customize BindHolder to help BindAdapter	Collaborators BindAdapter ViewHolder

PlanAdapter	
Responsibility Display information Recipe Set information of Recipe Display Recipes	Collaborators RecyclerView.Adapter

MyAppGlideModule	
Responsibility Loading images	Collaborators AppGlideModule

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FirestoreUtil

Responsibility

Connect Ingredients with firebase
Connect Recipes with firebase
Connect Plans with firebase
Connect Images with firebase
Load images from firebase to app

Collaborators

Firestore

AddIngredientActivity

Responsibility

Adds a new Ingredient into the Storage
Update an exist Ingredient in the Storage

Collaborators

BaseBindingActivity
Ingredient
BaseBindingActivity

Ingredient

Responsibility

Knows description
Knows location
Knows best before date
Knows amount
Knows unit
Knows category
Compare whether two Ingredient are same

Collaborators

AddingIngredientActivity
BaseFindingFragment

IngredientFragment

Responsibility

Connects xml views with java code
Sort the Ingredient list by required order

Collaborators

BaseBindingFragment
Ingredient

SelectingIngredientActivity

Responsibility

Selects an Ingredient and display relative information

Collaborators

BaseBindingFragment
Ingredient

Plan

Responsibility

Knows date
Knows Ingredients
Knows Recipes

Collaborators

BaseFindingFragment

PlanFragment

Responsibility Provides fragment to add Plan Can add from Ingredient Can add from Recipe	Collaborators Plan BaseBindingFragment
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AddRecipeActivity	
Responsibility Add a new Recipe by providing corresponding information	Collaborators Recipe BaseBindingActivity

Recipes	
Responsibility Knows Title knows preparation time Knows number of servings Knows recipe category Knows comments Knows photograph	Collaborators Add RecipeActivity RecipeDetailActivity RecipeFragment

RecipeDetailActivity	
Responsibility Displays details of a Recipe	Collaborators Recipe RecipeFragment BaseBindingActivity

RecipeFragment

Responsibility

Provide a fragment that shows the detail of a recipe and edit its information

Collaborators

Recipe
RecipeDetailActivity
BaseBindingFragment

SelectRecipeActivity

Responsibility

Selects an Recipe and display relative information

Collaborators

Recipe
RecipeList
BaseBindingActivity

MainActivity

Responsibility

The main activity of the app
Initialize data

Collaborators

BaseBindingActivity

MainViewModel

Responsibility

Sort the list of IngredientStorage, Recipe

Collaborators

ViewMidel

ShoppingListFragment

Responsibility

A fragment that display ShoppingList

Collaborators

BaseBindingFragment