

HomePageActivity	
Responsibilities	Collaborators
Open other activities for the mealplanner Allow user to log out	IngredientStorageActivity RecipeActivity MealPlanActivity ShoppingListActivity LoginActivity

RegistrationActivity	
Responsibilities	Collaborators
To register new account for users	LoginActivity

LoginActivity	
Responsibilities	Collaborators
To verify and login a registered account	LoginActivity RegistrationActivity

IngredientModel	
Responsibilities	Collaborators
Store ingredient description Store ingredient amount Store ingredient unit Store ingredient category	IngredientAdapter IngredientActivity

IngredientAdapter	
Responsibilities	Collaborators
To connect the data structure in Java with Androids RecyclerView	IngredientModel IngredientActivity

IngredientActivity	
Responsibilities	Collaborators
View user's ingredients for each recipe Edit user's ingredients for each recipe Sort user's ingredients for each recipe Delete user's ingredients for each recipe Updated user's ingredients for each recipe to firestore Sort user's ingredients Return to recipe page	IngredientAdapter IngredientModel RecipeActivity

IngredientStorageModel	
Responsibilities	Collaborators
Store ingredient description Store ingredient best before date Store ingredient location Store ingredient amount Store ingredient unit Store ingredient category	IngredientStorageAdapter IngredientStorageActivity

IngredientStorageAdapter	
Responsibilities	Collaborators
To connect the data structure in Java with Androids RecyclerView	IngredientStorageModel IngredientStorageActivity

IngredientStorageActivity	
Responsibilities	Collaborators
View user's ingredients Edit user's ingredients Sort user's ingredients Delete user's ingredients Update user's ingredients to firestore Sort user's ingredients	IngredientStorageAdapter IngredientStorageModel HomePageActivity

RecipeModel	
Responsibilities	Collaborators
Store recipe title Store recipe preparation time Store recipe number of servings Store recipe recipe category Store recipe comment Store recipe photograph Store list of ingredients	RecepiesAdapter RecipeActivity

RecipesAdapter	
Responsibilities	Collaborators
To connect the data structure in Java with Android RecyclerView	RecipeActivity Recipes

RecipeActivity	
Responsibilities	Collaborators
View user's recipes Edit user's recipes Sort user's recipes Take image of recipes Check for the shortage of ingredients for specific recipes Updated user's recipes to firestore Return to homepage Move to IngredientActivity page to view ingredients of each recipe	MealPlanActivity RecipeModel RecipeAdapter ShoppingList IngredientActivity HomePageActivity

MealPlanModel	
Responsibilities	Collaborators
Store meal plan set by the user	MealPlanAdapter MealPlanActivity

MealPlanAdapter	
Responsibilities	Collaborators
To connect the data structure in Java with Android RecyclerView	MealPlanModel MealPlanActivity

MealPlanActivity	
Responsibilities	Collaborators
Generate meal plans for several upcoming days of meals based on ingredients stored Generate meal plans for several upcoming days of meals based on recipes selected Show a shortage of ingredients in specific recipes View meal plans Scale meal plans according to ingredients stored Update MealPlan in firestore Return to homepage	MealPlanModel MealPlanAdapter IngredientStorageActivity RecipeActivity Recipes HomePageActivity

ShoppingListModel	
Responsibilities	Collaborators
Store the shopping list ingredients for the week	ShoppingListActviity ShoppingListAdapter

ShoppingListAdapter	
Responsibilities	Collaborators
To connect the data structure in Java with Android RecyclerView	ShoppingListActivity ShoppingListAdapter

ShoppingListActivity	
Responsibilities	Collaborators
Updating ingredients to storage once bought Calculating the cost of the shopping list View shopping list Edit shopping list Adding ingredients to list according to meal plan Update Shopping List in firestore Return to homepage	ShoppingListModel ShoppingListAdapter MealPlanActivity IngredientStorageActivity HomePageActivity