CRC Analysis

«entity» Ingredient Knows the description, best before date, amount, unit cost, Storage location and the Repository category of the ingredient

	«entity Meal Pla	
record date recipie the me other in	olan title s meal plan s used in eal plan ngredients n the meal	Meal Plan Repository Ingredient

«entity Recip	
 records title records serving size records preparation time records image hyperlink records category ingredients required records comments records description 	Meal Plan Repository Ingredients

IngredientStorageRepository			
ingredients added by the user	Ingredient Add Ingredient Use Case		
modify ingredients	 Delete Ingredient Use Case 		
	Keeps track of ingredients added		

Neeps track or	
ingredients added	Ingredient
by the user	Add Ingredient Use Case
 modify ingredients 	Delete Ingredient Use Case
in the repository	Edit Ingredient Use Case
 delete ingredient 	Get Ingredient Use Case
from the	Get Ingredient List Use Case
repository	

RecipeRepository Keeps track of • Add Recipe Use Case recipes added by Delete Recipe Use CaseEdit Recipe Use Case

Use Case

• Get Recipe Details Use Case Get User Recipe List List added to the storage yet. Remove Ingredient From Recipe Use Case

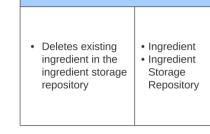
Ingredient Keeps track of Get Required Ingredients Use ingredients that have been bou but have not be

BoughtIngredientsRepository

	bught been	 Case Get Bought Ingredients Use Case Add Bought Ingredient Use Case Remove Bought Ingredient Use Case
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MealPlanRepository			
Keeps track of meal plans added by the user modify meal plans in the repository delete meal plans from the repository	Meal Plan Add Meal Plan Use Case Delete Meal Plan Use Case Edit Meal Plan Use Case Get Meal Plan Details Use Case Get User Meal Plan List Use Case		

Addingredient	UseCase
Adds ingredient to the ingredient storage repository	Ingredient Ingredient Storage Repository



DeleteIngredientUseCase

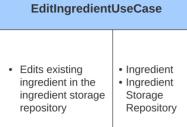
the user · modify recipes in

from the

repository

the repository

delete recipes

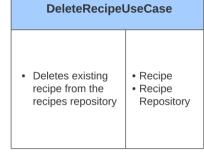


Gets existing ingredient details from the ingredient storage repository	Ingredient Ingredient Storage Repository
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GetIngredientDetailsUseCase

GetIngredientListUseCase		
•	Gets all the ingredients in the ingredient storage repository	Ingredient Ingredient Storage Repository

AddRecipeUseCase	
Adds recipe to the recipes repository	Recipe Recipe Repository



	EditRecipeUseCase		
•	Edits existing recipe from the recipes repository	Recipe Recipe Repository	

GetRecipeDetailsUseCase	
Gets existing recipe details from the recipes repository	Recipe Recipe Repository

GetUserRecipeListUse	Case	Removelngred	dientFromRecipeUseCase
 Gets the recipes added by the user from the recipes repository Reci Reci Reposition 	I	Removes an ingredient from an existing recipe in the recipes repository	Recipe Recipe Repository

GetRequiredIngred	ientsUseCase
Gets the list of ingredients that are missing from the storage but are required by the meal plans and haven't been bought yet.	Ingredient Storage Repository Meal Plan Repository Ingredient Recipe Repository Shopping List Repository



•	Adds bought ingredient to bought ingredient repository	Bought Ingredient Repository

 ${\bf AddBoughtIng redient Use Case}$

RemoveBoughtIngredientUseCase			
Remove bought ingredient from bought ingredient repository	Bought Ingredient Repository		

AddMealPlant	JseCase
Adds meal plan to the meal plan repository	Meal Plan Meal Plan Repository

Deletes existing meal plan from the meal plan repository Meal Plan Meal Plan Repository	DeleteMealPlar	IUseCase
	meal plan from the meal plan	Meal Plan

EditMealPlant	JseCase
Edit existing meal plan from the meal plan repository	Meal Plan Meal Plan Repository

GetMealPlanDeta	ilsUseCase
Gets existing meal plan details from the meal plan repository	Meal Plan Meal Plan Repository

GetUserMealPlar	nListUseCase
Gets meal plans added by the user from the meal plan repository	Meal Plan Meal Plan Repository

IngredientListViewModel		
 takes care of mapping the ingredient storage repository data to the UI propogating user events back to the repository 	Add Ingredient Use case Delete Ingredient Use Case Edit Ingredient Use Case Get Ingredient Details Use Case Get Ingredient List Usa Case Ingredient UI State	

 takes care of mapping the recipe repository data to the UI propogating user events back to the repository 	Add Recipe Use case Delete Recipe Use Case Edit Recipe Use Case Get Recipe Details Use Case Get Recipe List Usa Case Remove Ingredient From Recipe Use Case Recipe UI State

RecipeListViewModel

ShoppingListView	Model
 takes care of mapping the data from meal plan repository and iingredient storage repository to the UI propogating user events back to the repository 	Get Required Ingredient Use Case Get Bought Ingredien Use Case Add Ingredient Use Case Remove Bought Ingredient Use Case Add Bought Ingredier Use Case

MealPlanListViewModel		
 takes care of mapping the meal plan repository data to the UI propogating user events back to the repository 	Add Meal Plam Use case Delete Meal Plan Use Case Edit Meal Plan Use Case Get Meal Plan Details Use Case Get Meal Plan List Usa Case Meal Plan Ul State	

IngredientListUIState	
Holds information required to display the ingredient storage UI.	Ingredient List ViewModel

Holds information required to display the recipe list UI.	Recipe List ViewModel

RecipeListUIState

Holds information required to display the shopping list UI.	Shopping List ViewModel

ShoppingListUlState

MealPlanListUlState	
Holds information required to display the meal plan list UI.	• Meal Plan List ViewModel

IngredientListItemUIState		
Holds information required to display an individual ingredient in the list.	Ingredient List ViewModel	

RecipeListItemUIState	
Holds information required to display an individual recipe in the list.	Recipe List ViewModel

	ShoppingListItemUIState	
•	Holds information required to display an individual shopping list item in the list.	Shopping List ViewModel

MealPlanListItemUIState	
Holds information required to display an individual meal plan list item in the list.	Meal Plan List ViewModel