CRC Analysis

«entity» Ingredient meal pla Knows the

«entity» Meal Plan		«entity Recipe	
olan title s meal plan s used in eal plan ngredients n the meal	Meal Plan Repository Ingredient	records title records serving size records preparation time records image hyperlink records category ingredients required records comments	Meal Plan Repositor Ingredient

description, best before date, amount, unit cost, location and the category of the ingredient	Ingredient Storage Repository	date • recipie the me • other in	s meal plan s used in al plan ngredients n the meal	Meal Plan Repository Ingredient		hyperlink records category	• Meal Repo • Ingre	sito
Ingredient	Storage Repo	ository		Rec	ipe Re	pository		
Keeps track of ingredients added by the user modify ingredients in the repository	Ingredient Add Ingredier Delete Ingredier Edit Ingredier	lient Use Case	1	Keeps track of ecipes added by he user modify recipes in	• Del	cipe d Recipe Use Case lete Recipe Use Case it Recipe Use Case t Recipe Details Use Case		

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

Delete	e Ingr	edient Use Case		Edit Ingredient Us	e Cas	
e Case		the repository delete recipes from the repository	Get Recipe Details Use Case Get User Recipe List List Use Case Remove Ingredient From Recipe Use Case			

Ingredient

Ingredient

Storage

Repository

se	bu ad	ave been bought it have not been ided to the orage yet.		Get Bought Ingredients Use Case Add Bought Ingredient Use Case Remove Bought Ingredient Use Case		
Use Case	e		Get	Ingredient E Case	Oetails Use	
Ingredie Ingredie Storage	ent			existing dient details the	Ingredient Ingredient Storage	

ingredient storage

repository

Keeps track of ingredients that

have been bought

Bought Ingredients Repository

Ingredient

Case

Get Required Ingredients Use

Storage

Meal Plan Repository						
 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					

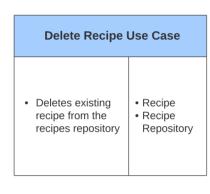
Get Ingredient List Use Case

Gets all the

ingredients in the

ingredient storage

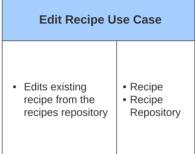
Adds ingredient to the ingredient storage repository	Ingredient Ingredient Storage Repository
Add Recipe U	se Case
Adds recipe to the recipes repository	Recipe Recipe Repository



Deletes existing

ingredient in the

ingredient storage



Edits existing

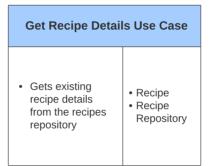
repository

ingredient in the

ingredient storage

Storage

Repository



Get User Recipe Case	e List Use	Remove Ingred Recipe Use	
Gets the recipes added by the user from the recipes repository	Recipe Recipe Repository	 Removes an ingredient from an existing recipe in the recipes repository 	Recipe Recipe Repository

Ingredient

Ingredient

Repository

Storage

Get Required Ingredients Use Case				
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			



notignt ingredient ~	ought igredient epository

	Remove Bought Ingredient Use Case				
•	Remove bought ingredient from bought ingredient repository	Bought Ingredient Repository			

Add Meal Plan Use Case					
Adds meal plan to the meal plan repository	Meal Plan Meal Plan Repository				

Delete Meal Plan Use Case	
Deletes existing meal plan from the meal plan repository	Meal Plan Meal Plan Repository

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

Edit Meal Plan Use Case

Get Meal Plan D Case	etails Use
Gets existing meal plan details from the meal plan repository	Meal Plan Meal Plan Repository

Get User Meal Plan List Use Case		
Gets meal plans added by the user from the meal plan repository	Meal Plan Meal Plan Repository	

Ingredient List ViewModel		
 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

Recipe List ViewModel

Shopping List ViewModel	
 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 Ingredient Use Case Add Ingredient Use Case Remove Bought Ingredient Use Case Add Bought Ingredient Use Case

Meal Plan List ViewModel		
 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	

Repository

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

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

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

Shopping List UI State

Holds information required to display the meal plan list UI. Meal Plan List ViewModel	Meal Plan List UI State		
		required to display the	IIIOGI I IGII EIGE

Ingredient List Item UI State		
Holds information required to display an individual ingredient in the list.	• Ingredient List ViewModel	

Recipe List Item UI State		
Holds information required to display an individual recipe in the list.	Recipe List ViewModel	

Shopping List Item UI State	
Holds information required to display an individual shopping list item in the list.	Shopping Lis ViewModel