«entity» «entity» «entity» Ingredient **Meal Plan** Recipe · records title · meal plan title Knows the · records serving · records meal plan description, best size date before date, Ingredient Meal Plan records · recipies used in amount, unit cost, Repository Storage preparation time the meal plan location and the Repository Ingredient · records image · other ingredients Meal Plan category of the hyperlink used in the meal Repository ingredient records category plan Ingredients · ingredients required records comments records description **Ingredient Storage Repository Recipe Repository Bought Ingredients Repository Meal Plan Repository** · Keeps track of Keeps track of Meal Plan · Keeps track of • Add Recipe Use Case Ingredient ingredients added Ingredient meal plans added Add Meal Plan Use Case Keeps track of recipes added by • Get Required Ingredients Use Delete Recipe Use Case Add Ingredient Use Case by the user • Delete Meal Plan Use Case by the user the user ingredients that • Edit Recipe Use Case Case · modify ingredients • Delete Ingredient Use Case modify meal plans • Edit Meal Plan Use Case modify recipes in have been bought Get Bought Ingredients Use Case Get Recipe Details Use Case in the repository • Edit Ingredient Use Case in the repository · Get Meal Plan Details Use the repository but have not been Get User Recipe List List Add Bought Ingredient Use Case · delete ingredient • Get Ingredient Use Case delete meal plans Case delete recipes added to the Use Case Remove Bought Ingredient Use • Get Ingredient List Use Case • Get User Meal Plan List Use from the from the from the storage yet. Remove Ingredient From Case repository repository Case repository Recipe Use Case **Get Ingredient Details Use Get Ingredient List Use Case Add Ingredient Use Case Delete Ingredient Use Case Edit Ingredient Use Case** Case · Gets existing Deletes existing Edits existing Ingredient Gets all the Ingredient Ingredient Ingredient Ingredient Adds ingredient to ingredient details ingredient in the Ingredient Ingredient ingredient in the Ingredient ingredients in the Ingredient Ingredient the ingredient from the Storage ingredient storage Storage ingredient storage Storage Storage ingredient storage Storage ingredient storage storage repository Repository repository Repository Repository Repository repository Get User Recipe List Use **Remove Ingredient From Add Recipe Use Case Delete Recipe Use Case Edit Recipe Use Case Get Recipe Details Use Case** Case **Recipe Use Case** Removes an Gets the recipes · Gets existing Recipe · Deletes existing Recipe Edits existing Recipe Recipe Recipe ingredient from an Recipe · Adds recipe to the recipe details added by the user existing recipe in Recipe recipe from the Recipe recipe from the Recipe Recipe Recipe Recipe recipes repository from the recipes from the recipes Repository Repository Repository recipes repository Repository recipes repository Repository Repository the recipes repository repository repository **Get Required Ingredients Use Get Bought Ingredients Use Add Bought Ingredient Use Remove Bought Ingredient** Case Case Case **Use Case** Ingredient Storage Gets the list of Get ingredients Repository Adds bought Remove bought ingredients that that have been Bought Bought Bought Meal Plan ingredient to ingredient from are missing from bought but have Ingredient Ingredient Ingredient Repository bought ingredient the storage but bought ingredient Repository not been added to Repository Repository Ingredient repository repository are required by storage yet Recipe the meal plans Repository and haven't been Shopping bought yet. List Repository Get Meal Plan Details Use Get User Meal Plan List Use **Delete Meal Plan Use Case Edit Meal Plan Use Case Add Meal Plan Use Case** Deletes existing Edit existing meal Gets existing Gets meal plans Adds meal plan to Meal Plan Meal Plan Meal Plan Meal Plan Meal Plan meal plan from plan from the meal plan details added by the user the meal plan Meal Plan Meal Plan Meal Plan Meal Plan Meal Plan from the meal the meal plan meal plan from the meal Repository repository Repository Repository Repository Repository repository repository plan repository plan repository Ingredient List ViewModel Recipe List ViewModel **Shopping List ViewModel** Meal Plan List ViewModel Add Ingredient Use • Add Recipe Use case Add Meal Plam Use Delete Recipe Use Get Required case case • Delete Ingredient Use Case Ingredient Use Case • Delete Meal Plan Use Get Bought Ingredient • Edit Recipe Use Case Case • takes care of mapping the ingredient • takes care of mapping the data from Case • Edit Ingredient Use • takes care of mapping the recipe Get Recipe Details · takes care of mapping the meal plan Use Case • Edit Meal Plan Use storage repository data to the UI meal plan repository and iingredient Add Ingredient Use repository data to the UI Use Case repository data to the UI propogating user events back to the storage repository to the UI Case propogating user events back to the propogating user events back to the Get Ingredient Details Get Recipe List Usa Case Get Meal Plan Details repository propogating user events back to the Use Case repository Case Remove Bought repository repository Use Case • Get Ingredient List Usa Remove Ingredient Ingredient Use Case Get Meal Plan List Usa Case From Recipe Use Add Bought Ingredient Case Ingredient UI State Case Use Case • Meal Plan UI State Recipe UI State

Holds information required to display the ingredient storage UI.	Ingredient List ViewModel	Holds information required to display the recipe list UI.	Recipe List ViewModel	Holds information required to display the shopping list UI.	Shopping List ViewModel	Holds information required to display the meal plan list UI.	Meal Plan List ViewModel
Ingredient List Item UI State							
Ingredient List Ite	m UI State	Recipe List Item	ı UI State	Shopping List Ite	m UI State	Meal Plan List Ite	m UI State

Shopping List UI State

Meal Plan List UI State

Recipe List UI State

Ingredient List UI State