

«entity» Ingredient	
<ul style="list-style-type: none">Knows the description, best before date, amount, unit cost, location and the category of the ingredient	Ingredient Storage Repository

«entity» Meal Plan	
<ul style="list-style-type: none">meal plan titlerecords meal plan daterecipies used in the meal planother ingredients used in the meal plan	<ul style="list-style-type: none">Meal Plan RepositoryIngredient

«entity» Recipe	
<ul style="list-style-type: none">records titlerecords serving sizerecords preparation timerecords image hyperlinkrecords categoryingredients requiredrecords commentsrecords description	<ul style="list-style-type: none">Meal Plan RepositoryIngredients

Ingredient Storage Repository	
<ul style="list-style-type: none">Keeps track of ingredients added by the usermodify ingredients in the repositorydelete ingredient from the repository	<ul style="list-style-type: none">IngredientAdd Ingredient Use CaseDelete Ingredient Use CaseEdit Ingredient Use CaseGet Ingredient Use CaseGet Ingredient List Use Case

Recipe Repository	
<ul style="list-style-type: none">Keeps track of recipes added by the usermodify recipes in the repositorydelete recipes from the repository	<ul style="list-style-type: none">RecipeAdd Recipe Use CaseDelete Recipe Use CaseEdit Recipe Use CaseGet Recipe Details Use CaseGet User Recipe List List Use CaseRemove Ingredient From Recipe Use Case

Bought Ingredients Repository	
<ul style="list-style-type: none">Keeps track of ingredients that have been bought but have not been added to the storage yet.	<ul style="list-style-type: none">IngredientGet Required Ingredients Use CaseGet Bought Ingredients Use CaseAdd Bought Ingredient Use CaseRemove Bought Ingredient Use Case

Meal Plan Repository	
<ul style="list-style-type: none">Keeps track of meal plans added by the usermodify meal plans in the repositorydelete meal plans from the repository	<ul style="list-style-type: none">Meal PlanAdd Meal Plan Use CaseDelete Meal Plan Use CaseEdit Meal Plan Use CaseGet Meal Plan Details Use CaseGet User Meal Plan List Use Case

Add Ingredient Use Case	
<ul style="list-style-type: none">Adds ingredient to the ingredient storage repository	<ul style="list-style-type: none">IngredientIngredient Storage Repository

Delete Ingredient Use Case	
<ul style="list-style-type: none">Deletes existing ingredient in the ingredient storage repository	<ul style="list-style-type: none">IngredientIngredient Storage Repository

Edit Ingredient Use Case	
<ul style="list-style-type: none">Edits existing ingredient in the ingredient storage repository	<ul style="list-style-type: none">IngredientIngredient Storage Repository

Get Ingredient Details Use Case	
<ul style="list-style-type: none">Gets existing ingredient details from the ingredient storage repository	<ul style="list-style-type: none">IngredientIngredient Storage Repository

Get Ingredient List Use Case	
<ul style="list-style-type: none">Gets all the ingredients in the ingredient storage repository	<ul style="list-style-type: none">IngredientIngredient Storage Repository

Add Recipe Use Case	
<ul style="list-style-type: none">Adds recipe to the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Delete Recipe Use Case	
<ul style="list-style-type: none">Deletes existing recipe from the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Edit Recipe Use Case	
<ul style="list-style-type: none">Edits existing recipe from the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Get Recipe Details Use Case	
<ul style="list-style-type: none">Gets existing recipe details from the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Get User Recipe List Use Case	
<ul style="list-style-type: none">Gets the recipes added by the user from the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Remove Ingredient From Recipe Use Case	
<ul style="list-style-type: none">Removes an ingredient from an existing recipe in the recipes repository	<ul style="list-style-type: none">RecipeRecipe Repository

Get Required Ingredients Use Case	
<ul style="list-style-type: none">Gets the list of ingredients that are missing from the storage but are required by the meal plans and haven't been bought yet.	<ul style="list-style-type: none">Ingredient Storage RepositoryMeal Plan RepositoryIngredientRecipe RepositoryShopping List Repository

Get Bought Ingredients Use Case	
<ul style="list-style-type: none">Get ingredients that have been bought but have not been added to storage yet	<ul style="list-style-type: none">Bought Ingredient Repository

Add Bought Ingredient Use Case	
<ul style="list-style-type: none">Adds bought ingredient to bought ingredient repository	<ul style="list-style-type: none">Bought Ingredient Repository

Remove Bought Ingredient Use Case	
<ul style="list-style-type: none">Remove bought ingredient from bought ingredient repository	<ul style="list-style-type: none">Bought Ingredient Repository

Add Meal Plan Use Case	
<ul style="list-style-type: none">Adds meal plan to the meal plan repository	<ul style="list-style-type: none">Meal PlanMeal Plan Repository

Delete Meal Plan Use Case	
<ul style="list-style-type: none">Deletes existing meal plan from the meal plan repository	<ul style="list-style-type: none">Meal PlanMeal Plan Repository

Edit Meal Plan Use Case	
<ul style="list-style-type: none">Edit existing meal plan from the meal plan repository	<ul style="list-style-type: none">Meal PlanMeal Plan Repository

Get Meal Plan Details Use Case	
<ul style="list-style-type: none">Gets existing meal plan details from the meal plan repository	<ul style="list-style-type: none">Meal PlanMeal Plan Repository

Get User Meal Plan List Use Case	
<ul style="list-style-type: none">Gets meal plans added by the user from the meal plan repository	<ul style="list-style-type: none">Meal PlanMeal Plan Repository

Ingredient List ViewModel	
<ul style="list-style-type: none">takes care of mapping the ingredient storage repository data to the UIpropogating user events back to the repository	<ul style="list-style-type: none">Add Ingredient Use caseDelete Ingredient Use CaseEdit Ingredient Use CaseGet Ingredient Details Use CaseGet Ingredient List Usa CaseIngredient UI State

Recipe List ViewModel	
<ul style="list-style-type: none">takes care of mapping the recipe repository data to the UIpropogating user events back to the repository	<ul style="list-style-type: none">Add Recipe Use caseDelete Recipe Use CaseEdit Recipe Use CaseGet Recipe Details Use CaseGet Recipe List Usa CaseRemove Ingredient From Recipe Use CaseRecipe UI State

Shopping List ViewModel	
<ul style="list-style-type: none">takes care of mapping the data from meal plan repository and iingredient storage repository to the UIpropogating user events back to the repository	<ul style="list-style-type: none">Get Required Ingredient Use CaseGet Bought Ingredient Use CaseAdd Ingredient Use CaseRemove Bought Ingredient Use CaseAdd Bought Ingredient Use Case

Meal Plan List ViewModel	
<ul style="list-style-type: none">takes care of mapping the meal plan repository data to the UIpropogating user events back to the repository	<ul style="list-style-type: none">Add Meal Plam Use caseDelete Meal Plan Use CaseEdit Meal Plan Use CaseGet Meal Plan Details Use CaseGet Meal Plan List Usa CaseMeal Plan UI State

Ingredient List UI State	
<ul style="list-style-type: none">Holds information required to display the ingredient storage UI.	<ul style="list-style-type: none">Ingredient List ViewModel

Recipe List UI State	
<ul style="list-style-type: none">Holds information required to display the recipe list UI.	<ul style="list-style-type: none">Recipe List ViewModel

Shopping List UI State	
<ul style="list-style-type: none">Holds information required to display the shopping list UI.	<ul style="list-style-type: none">Shopping List ViewModel

Meal Plan List UI State	
<ul style="list-style-type: none">Holds information required to display the meal plan list UI.	<ul style="list-style-type: none">Meal Plan List ViewModel

Ingredient List Item UI State	
<ul style="list-style-type: none">Holds information required to display an individual ingredient in the list.	<ul style="list-style-type: none">Ingredient List ViewModel

Recipe List Item UI State	
<ul style="list-style-type: none">Holds information required to display an individual recipe in the list.	<ul style="list-style-type: none">Recipe List ViewModel

Shopping List Item UI State	
<ul style="list-style-type: none">Holds information required to display an individual shopping list item in the list.	<ul style="list-style-type: none">Shopping List ViewModel

Meal Plan List Item UI State	
<ul style="list-style-type: none">Holds information required to display an individual meal plan list item in the list.	<ul style="list-style-type: none">Meal Plan List ViewModel