Ingredient

StoreIngredient

- Knows ingredient description
- Knows ingredient amount
- Knows ingredient unit
- Knows ingredient category
- Saved as part of a Recipe or in a ShoppingList
- Extends to StoreIngredient to be put in storage

- Recipe
- ShoppingList
- StoreIngredient

Ingredient

StoreIngredient

- Extends Ingredient responsiblilites to:
- Knows ingredient storage location
- Knows ingredient best before date
- Stored in Storage

- Storage

Storage

- Knows the StoreIngredient objects currently available for use
- Works with MealPlan to generate a ShoppingList
- Stores StoreIngredient in a list
- Can delete and modify Ingredient
- Can sort the list of ingredients by description, best before date, location, and ingredient category

- StoreIngredient
- MealPlan
- ShoppingList

Recipe

• Knows recipe title	• Ingredient
• Knows recipe preparation time	• MealPlan
• Knows recipe category	
• Knows recipe comments	
• Knows recipe photograph	
• Knows Ingredients needed for the recipe	
• Knows number of servings generated by the recipe	
• stores all ingredients needed in a list	
• Allows updating and deleting ingredients	
• Saved in a MealPlan	

MealPlan

• Knows what Recipes are scheduled	• RecipeList
• Knows the number of servings for each scheduled Recipe	• Storage
• Works with Storage to update ShoppingList	• ShoppingList

ShoppingList

• Generated from the Ingredients needed in MealPlan and stored in Storage	• Ingredient
• Knows all the Ingredients to be bought	• Storage
• Stores ingredients that are to be purchased in a list with their description, amount, unit and ingredient category	• MealPlan
• Keeps track of purchased ingredients	
• Can sort the shopping list on the basis of ingredients or category	

RecipeList

• Knows all the recipes, and stores them in a list • can sort recipes by title, preparation time, number of servings, or recipe category.	• Recipe • MealPlan