Ingredient	
Store key of an ingredient Store the description of an ingredient Store the category of an ingredient	Ingredients

IngredientController	
Store multiple ingredients Store valid category selections Allow retrieval of specified ingredient Allow addition of a new ingredient Allow an ingredient to be removed Allow valid categories to be added/removed Allow a category to be checked for validity	Ingredient Options

Options	
Store valid options that can be selected Allow addition and removal of valid options Allow an option to be checked for validity Allow all valid options to be retrieved	Ingredients Recipes StoredIngredients

StoredIngredient	
Store key relating to an ingredient Store the amount of an ingredient Store the best before date of an ingredient Store the unit of the ingredient	StoredIngredients Recipe Recipes ShoppingList

StoredIngredientController	
Store a list of ingredients that are in storage Store locations an ingredient can be stored Allow the addition and removal of ingredients to and from storage Check if an ingredient is in storage Allow retrieval of an ingredient from storage Add/Remove valid locations Check if a location is valid	Options StoredIngredient ShoppingList

Recipe	
Store key of recipe Store title of the recipe	StoredIngredient Recipes

Store duration of recipe preparation Store servings of recipe Store comments of the recipe Store the photo of the recipe Store the ingredients needed for recipe	MealPlan ShoppingList

Recipes

Store user created recipes Store valid categories Allow a recipe to be added Allow a recipe to be removed Allow valid categories to be add/removed Allow retrieval of valid categories Check if a recipe exists	Options Recipe

MealPlan

Store recipes in the meal plan Store ingredients in the meal plan Allow a recipe to be added to meal plan Allow an ingredient to be added to meal plan	Options Recipe

ShoppingList

Store ingredients that need to be bought Keep track of bought ingredients Update ingredients that need to be bought	MealPlan StoredIngredients

DatabaseManager

Add an ingredient to database Add a stored ingredient to database Add recipe to database Get ingredients from database Get a Stored Ingredient form database Get recipes from database Delete an ingredient form database Delete a stored ingredient from database Delete a recipe from database Add a meal plan to database Retrieve meal plan from database	Ingredient Ingredients Recipe Recipes