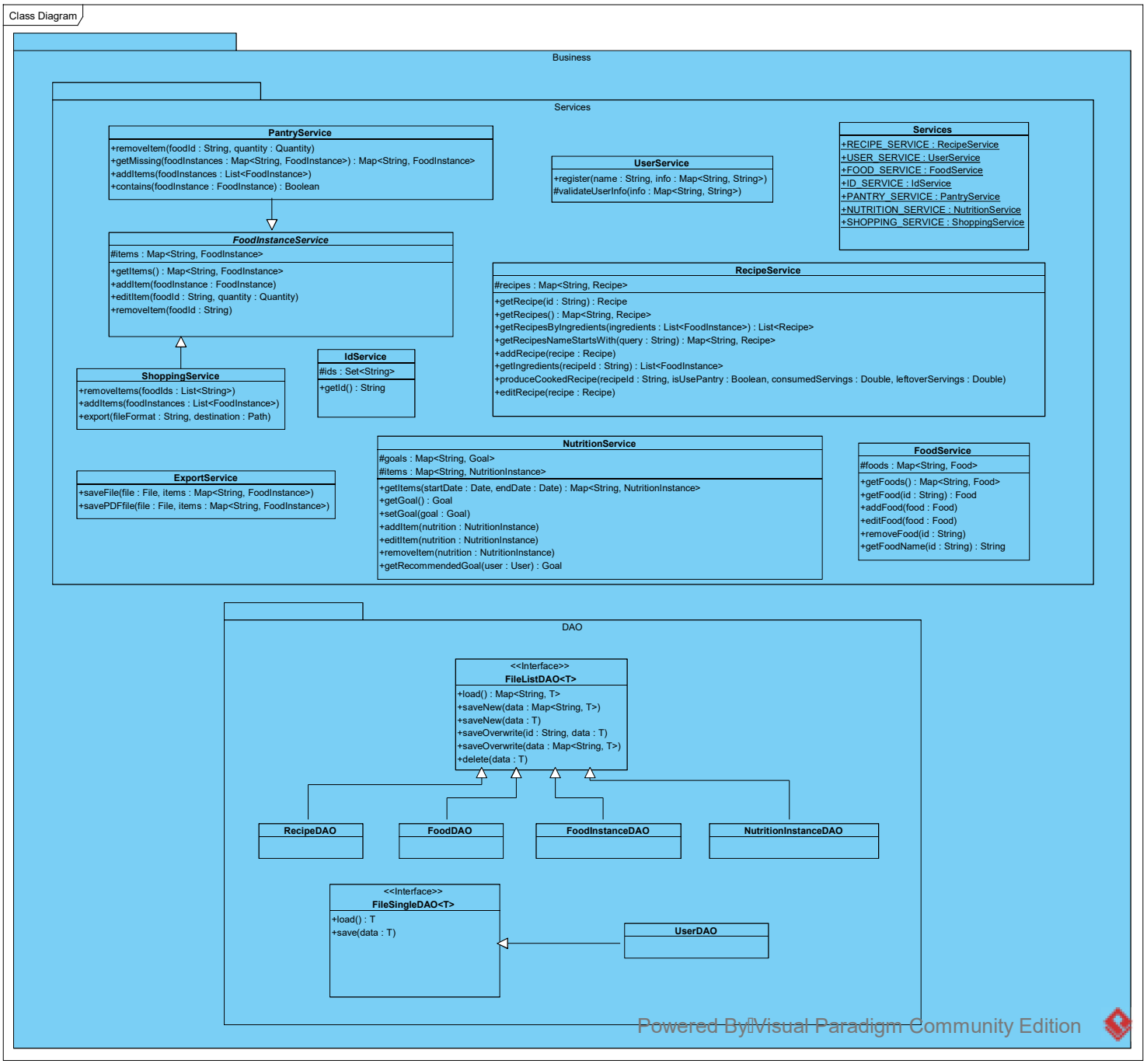
Class Diagram
Business
Services
PantryService
+removeItem(foodId : String, quantity : Quantity)
+getMissing(foodInstances : Map<String, FoodInstance>) : Map<String, FoodInstance>
+addItems(foodInstances : List<FoodInstance>)
+contains(foodInstance : FoodInstance) : Boolean
UserService
+register(name : String, info : Map<String, String>)
#validateUserInfo(info : Map<String, String>)
Services
+RECIPE_SERVICE : RecipeService
+USER_SERVICE : UserService
+FOOD_SERVICE : FoodService
+ID_SERVICE : IdService
+PANTRY_SERVICE : PantryService
+NUTRITION_SERVICE : NutritionService
+SHOPPING_SERVICE : ShoppingService
FoodInstanceService
#items : Map<String, FoodInstance>
+getItems() : Map<String, FoodInstance>
+addItem(foodInstance : FoodInstance)
+editItem(foodId : String, quantity : Quantity)
+removeItem(foodId : String)
RecipeService
#recipes : Map<String, Recipe>
+getRecipe(id : String) : Recipe
+getRecipes() : Map<String, Recipe>
+getRecipesByIngredients(ingredients : List<FoodInstance>) : List<Recipe>
+getRecipesNameStartsWith(query : String) : Map<String, Recipe>
+addRecipe(recipe : Recipe)
+getIngredients(recipeId : String) : List<FoodInstance>
+produceCookedRecipe(recipeId : String, isUsePantry : Boolean, consumedServings : Double, leftoverServings : Double)
+editRecipe(recipe : Recipe)
ShoppingService
+removeItems(foodIds : List<String>)
+addItems(foodInstances : List<FoodInstance>)
+export(fileFormat : String, destination : Path)
IdService
#ids : Set<String>
+getId() : String
NutritionService
#goals : Map<String, Goal>
#items : Map<String, NutritionInstance>
+getItems(startDate : Date, endDate : Date) : Map<String, NutritionInstance>
+getGoal() : Goal
+setGoal(goal : Goal)
+addItem(nutrition : NutritionInstance)
+editItem(nutrition : NutritionInstance)
+removeItem(nutrition : NutritionInstance)
+getRecommendedGoal(user : User) : Goal
FoodService
#foods : Map<String, Food>
+getFoods() : Map<String, Food>
+getFood(id : String) : Food
+addFood(food : Food)
+editFood(food : Food)
+removeFood(id : String)
+getFoodName(id : String) : String
ExportService
+saveFile(file : File, items : Map<String, FoodInstance>)
+savePDFfile(file : File, items : Map<String, FoodInstance>)
DAO
<<Interface>>
FileListDAO<T>
+load() : Map<String, T>
+saveNew(data : Map<String, T>)
+saveNew(data : T)
+saveOverwrite(id : String, data : T)
+saveOverwrite(data : Map<String, T>)
+delete(data : T)
RecipeDAO
FoodDAO
FoodInstanceDAO
NutritionInstanceDAO
<<Interface>>
FileSingleDAO<T>
+load() : T
+save(data : T)
UserDAO
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