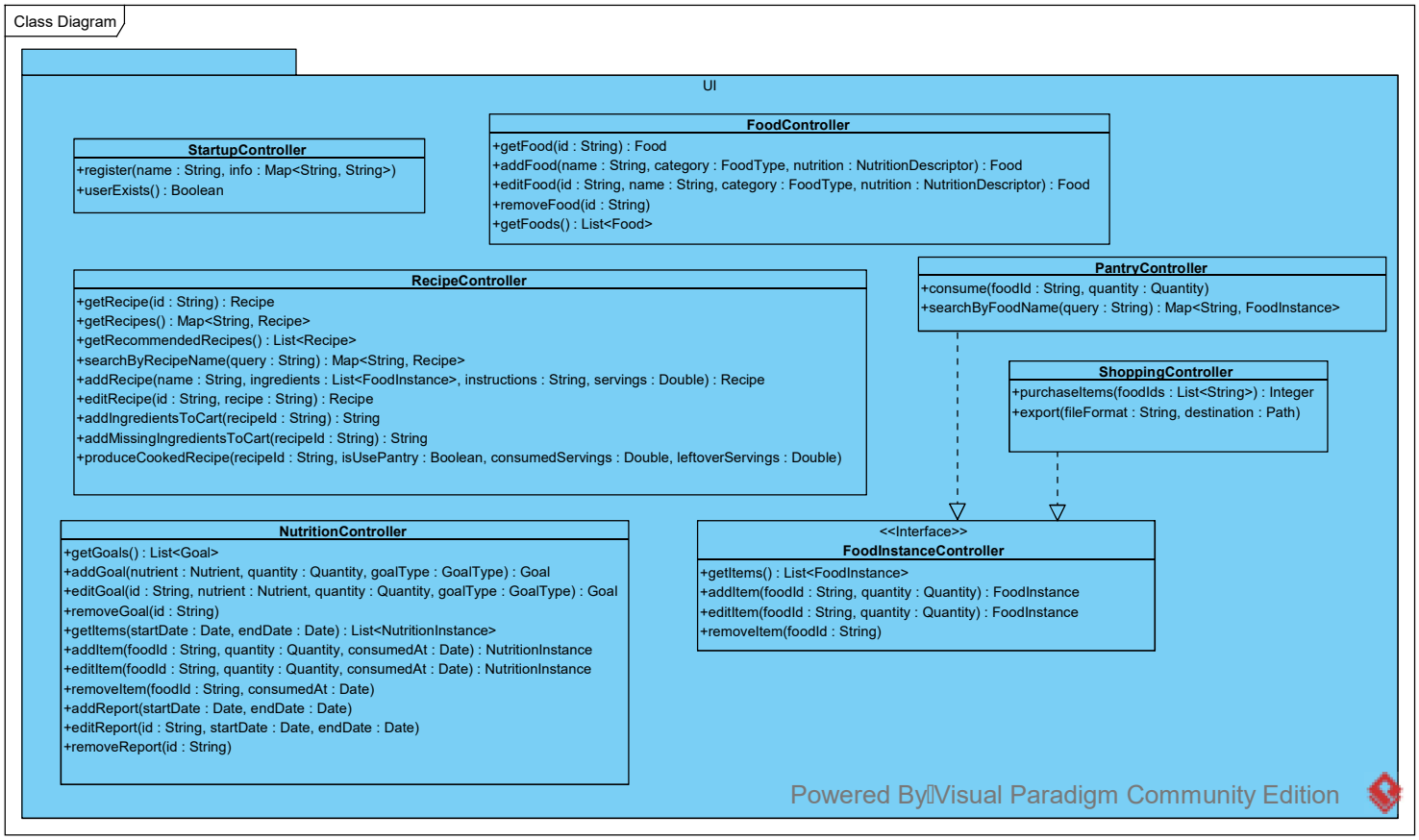
Class Diagram
UI
StartupController
+register(name : String, info : Map<String, String>)
+userExists() : Boolean
FoodController
+getFood(id : String) : Food
+addFood(name : String, category : FoodType, nutrition : NutritionDescriptor) : Food
+editFood(id : String, name : String, category : FoodType, nutrition : NutritionDescriptor) : Food
+removeFood(id : String)
+getFoods() : List<Food>
RecipeController
+getRecipe(id : String) : Recipe
+getRecipes() : Map<String, Recipe>
+getRecommendedRecipes() : List<Recipe>
+searchByRecipeName(query : String) : Map<String, Recipe>
+addRecipe(name : String, ingredients : List<FoodInstance>, instructions : String, servings : Double) : Recipe
+editRecipe(id : String, recipe : String) : Recipe
+addIngredientsToCart(recipeId : String) : String
+addMissingIngredientsToCart(recipeId : String) : String
+produceCookedRecipe(recipeId : String, isUsePantry : Boolean, consumedServings : Double, leftoverServings : Double)
PantryController
+consume(foodId : String, quantity : Quantity)
+searchByFoodName(query : String) : Map<String, FoodInstance>
ShoppingController
+purchaseItems(foodIds : List<String>) : Integer
+export(fileFormat : String, destination : Path)
NutritionController
+getGoals() : List<Goal>
+addGoal(nutrient : Nutrient, quantity : Quantity, goalType : GoalType) : Goal
+editGoal(id : String, nutrient : Nutrient, quantity : Quantity, goalType : GoalType) : Goal
+removeGoal(id : String)
+getItems(startDate : Date, endDate : Date) : List<NutritionInstance>
+addItem(foodId : String, quantity : Quantity, consumedAt : Date) : NutritionInstance
+editItem(foodId : String, quantity : Quantity, consumedAt : Date) : NutritionInstance
+removeItem(foodId : String, consumedAt : Date)
+addReport(startDate : Date, endDate : Date)
+editReport(id : String, startDate : Date, endDate : Date)
+removeReport(id : String)
<<Interface>>
FoodInstanceController
+getItems() : List<FoodInstance>
+addItem(foodId : String, quantity : Quantity) : FoodInstance
+editItem(foodId : String, quantity : Quantity) : FoodInstance
+removeItem(foodId : String)
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