CHEAPCHEF
GROUP 22

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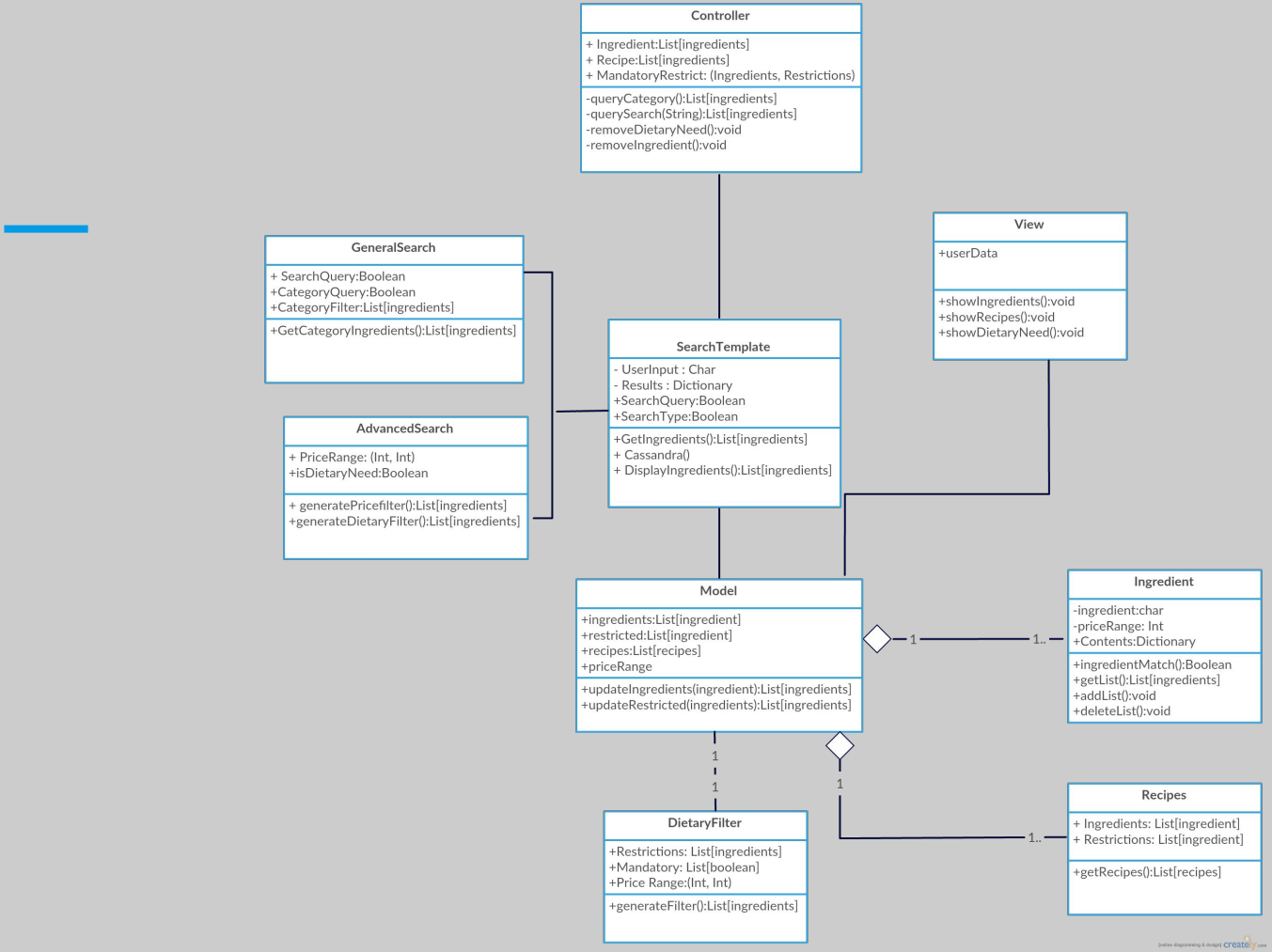
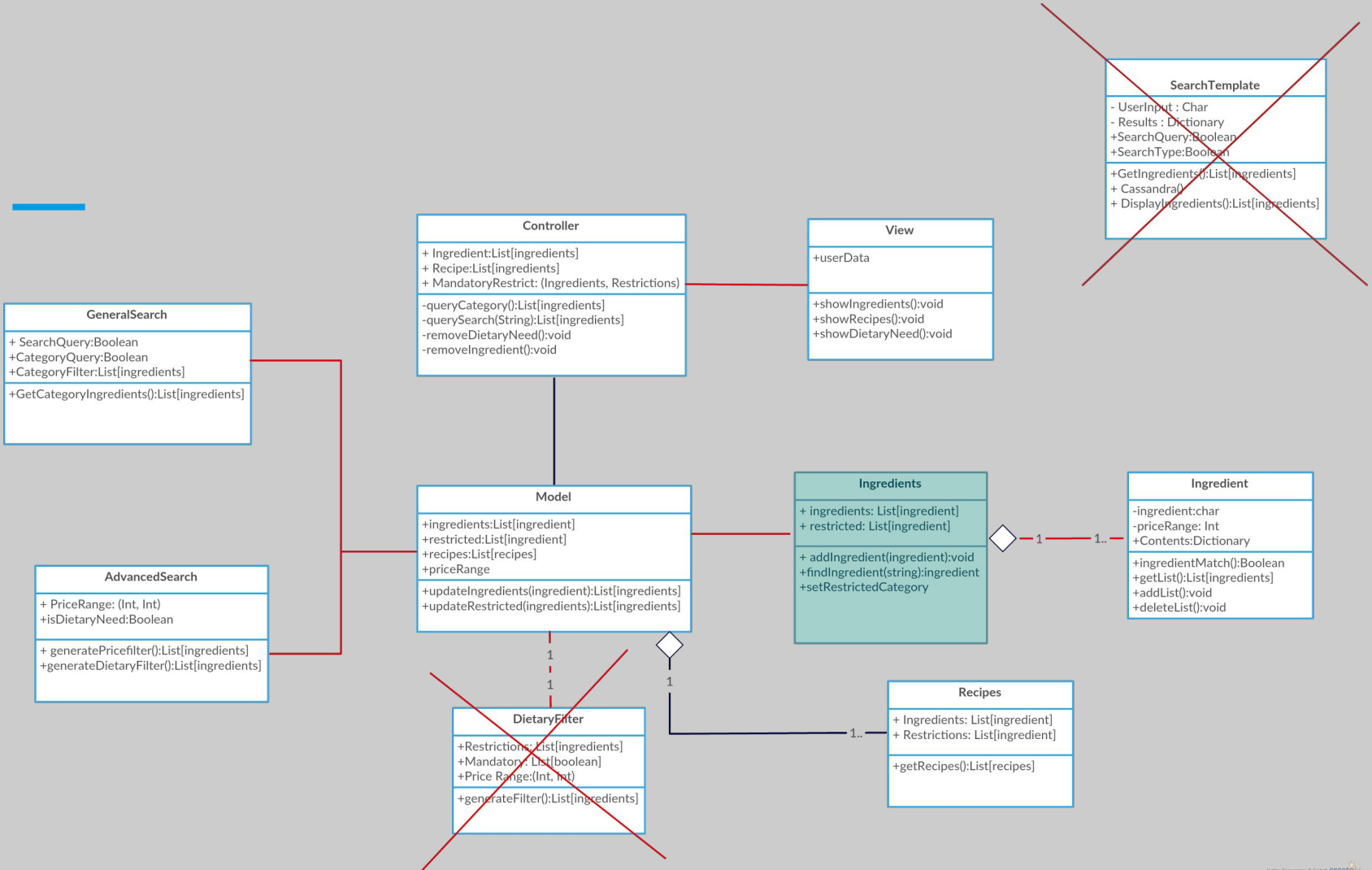

Controller
+ Ingredient:List[ingredients]
+ Recipe:List[ingredients]
+ MandatoryRestrict: (Ingredients, Restrictions)
-queryCategory():List[ingredients]
-querySearch(String):List[ingredients]
-removeDietaryNeed():void
-removeIngredient():void
GeneralSearch
+ SearchQuery:Boolean
+CategoryQuery:Boolean
+CategoryFilter:List[ingredients]
+GetCategoryIngredients():List[ingredients]
AdvancedSearch
+ PriceRange: (Int, Int)
+isDietaryNeed:Boolean
+ generatePricefilter():List[ingredients]
+generateDietaryFilter():List[ingredients]
SearchTemplate
- UserInput : Char
- Results : Dictionary
+SearchQuery:Boolean
+SearchType:Boolean
+GetIngredients():List[ingredients]
+ Cassandra()
+ DisplayIngredients():List[ingredients]
View
+userData
+showIngredients():void
+showRecipes():void
+showDietaryNeed():void
Model
+ingredients:List[ingredient]
+restricted:List[ingredient]
+recipes:List[recipes]
+priceRange
+updateIngredients(ingredient):List[ingredients]
+updateRestricted(ingredients):List[ingredients]
1
1..
Ingredient
-ingredient:char
-priceRange: Int
+Contents:Dictionary
+ingredientMatch():Boolean
+getList():List[ingredients]
+addList():void
+deleteList():void
1
1
DietaryFilter
+Restrictions: List[ingredients]
+Mandatory: List[boolean]
+Price Range:(Int, Int)
+generateFilter():List[ingredients]
1
1..
Recipes
+ Ingredients: List[ingredient]
+ Restrictions: List[ingredient]
+getRecipes():List[recipes]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+updateRestricted(ingredients):List[ingredients]
Ingredients
+ ingredients: List[ingredient]
+ restricted: List[ingredient]
+ addIngredient(ingredient):void
+findIngredient(string):ingredient
+setRestrictedCategory
1
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Design Patterns

- Template
- Chain of Command
- “MVC”

What Went Wrong?

- Class design didn’t mix well with Java and Java typing
- Using OOP design with Databases
- Putting methods in the correct classes

DEMO

https://youtu.be/tw_su-sCdrU