IntermediateRecipe

-id : long
-name : string
-description : string
-image : string
-missingIngredients : string

ArrayList<IngredientGroup>

ArrayList<IngredientQuantity>

ArrayList<ExchangeableIngredient>

ArrayList<InstructionStep>

Recipe

-id : long
-image : string
-title : string
-description : string
-ingredientGroups : ArrayList<IngredientGroup>
-instructionSteps : ArrayList<InstructionStep>

1   1

1..*   1..*

IngredientGroup

-id : long
-name : string
-exchangeables : ArrayList<ExchangeableIngredient>

InstructionStep

-description : string
-step : int
-image : string

1
1..*

ExchangeableIngredient

-id : long
-mandatory : bool
-quantities : ArrayList<IngredientQuantity>

1
1..*

IngredientQuantity

-id : long
-ingredient : Ingredient
-unit : Unit
-amount : double

+getDescription() : string

0..*   1

1   1

Ingredient

-id : long
-singular : string
-plural : string

Unit

-id : long
-metric : string
-imperial : string
-conversion : float