

Nouns and Verbs

Complete this activity as a Team and submit the file to your Team repository under /doc directory. [check for other instructions on dropbox]

List **all** of the nouns and verbs that you find in the description of this system that have any association with its features, operation, or data.

Nouns	Verbs
foods, recipes, users, name, calories, grams of fat, grams of carbohydrates, grams of protein, milligrams of sodium, ingredient, log, servings, nutrients, graphs, fat, carbs, protein, day, weight, status, goal, data, collection, food log	create, add, consumed, display, attach, indicate, track, save

Now create one table for each noun that you think corresponds to a class in your software design. Put the "Class noun" in the header row for the table. Look at the other nouns and copy any that are relevant for this class to the "Attribute nouns" box. Some of these nouns may themselves be "Class nouns". Others will not have that level of prominence. Copy any verbs that could indicate responsibilities for this class to the "Behavior verbs" box. Extend the boxes as needed. Keep doing this until you think you have identified all of the "class nouns" in there system. Are there others that somehow have been missed that you need for a good design? Add more tables as needed.

Class noun: Food	
Attribute nouns Name, Calories, Grams of fat, grams of carbohydrates, grams of protein	Behavior verbs Create, add
Class noun: Recipe	
Attribute nouns Name, ingredients, calories, grams of fat, grams of carbs, grams of protein, servings	Behavior verbs Create, add
Class noun: User	

Attribute nouns Name, weight, status, goal	Behavior verbs Create, add, track, log, save
Class noun: Ingredient	
Attribute nouns Name, Amount	Behavior verbs Add, attach
Class noun: Goal	
Attribute nouns Nutrient target, weight target, status, user	Behavior verbs Track, display, save
Class noun: FoodLog	
Attribute nouns user (User) , date or day (Date/Day) , entries (Collection of Food or Recipe + quantity)	Behavior verbs addEntry() / consumed() , track() ,display(), save()
Class noun: Nutrient	
Attribute nouns name (String), amount (double) , unit (String)	Behavior verbs updateValue() , attach()
Class noun: Day	
Attribute nouns	Behavior verbs create() , compareDates() , attachLog()

date (LocalDate) , dayOfWeek (String or int) , goals / events / logs	
---	--