

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
<ul style="list-style-type: none">- Food- Recipe- User- Log- Weight- Calorie- Limit- Food Intake- Drinks/Water Intake- Sub-recipe- Daily Consumption- Calorie targets- Date- Graph- System- Program- Collection- Servings- Breakdown of nutrition	<ul style="list-style-type: none">- Load data- Log daily activities- Change date- Display logs and statistic- See food list<ul style="list-style-type: none">- Add food item to log- Delete food item from log- Create basic food- Create recipe- See statistics (date)<ul style="list-style-type: none">- Initialize log information for date- Change weight for date- Change calorie goal for date- Add number of servings- Display weight for date- Display food item consumed (number of servings and total calories) for date- Display breakdown of nutrition percentage- Display calorie goal- Save system state- Provide basic collection of food- Display UI

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 the system. Are there others that somehow have been missed that you need for a good design? Add more tables as needed.

Class noun: Basic Food	
Attribute nouns <ul style="list-style-type: none"> - calories - name - nutritional breakdown <ul style="list-style-type: none"> - fat - carbohydrates - sodium - protein 	Behavior verbs <ul style="list-style-type: none"> - combine - add - save

Class noun: Recipe	
Attribute nouns <ul style="list-style-type: none"> - recipe name - ingredients - servings 	Behavior verbs <ul style="list-style-type: none"> - Display ingredients along with their measurements - Display how to cook and arrange the ingredients - Display which tools are used for the recipe - Allow the recipe to be edited - Save recipe

Class noun: Log	
Attribute nouns <ul style="list-style-type: none"> - Date - Food items - Calorie limits - Weight 	Behavior verbs <ul style="list-style-type: none"> - Logs a specific type at a specific time & date

Class noun: Weight	
Attribute nouns <ul style="list-style-type: none"> - pounds - measurements - date - time 	Behavior verbs <ul style="list-style-type: none"> - Logs weight for a specific time and date - Summarize

Class noun: Calorie	
Attribute nouns <ul style="list-style-type: none"> - calories 	Behavior verbs <ul style="list-style-type: none"> - Limit - Goal - Intake

Class noun: Food	
Attribute nouns <ul style="list-style-type: none"> - name - count 	Behavior verbs <ul style="list-style-type: none"> - Add food item from log - Delete food item from log

Class noun: Interface	
Attribute nouns <ul style="list-style-type: none"> - User input 	Behavior verbs <ul style="list-style-type: none"> - Allow - Change - Support - Provide - Help - Display

Class noun: Collection	
Attribute nouns <ul style="list-style-type: none"> - name - calories - fat - grams of carbs - grams of protein 	Behavior verbs <ul style="list-style-type: none"> - combined - adding - save

Class noun: Nutrition Info	
Attribute nouns <ul style="list-style-type: none"> - percent of total grams of fat - percent of total grams of protein - percent of total grams of carbs - percent of total grams of fiber 	Behavior verbs <ul style="list-style-type: none"> - nearest 1% - Display UI