

## 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"><li>• Program</li><li>• Collection</li><li>• Food/Basic foods</li><li>• Recipes</li><li>• System</li><li>• Users</li><li>• Information</li><li>• Name</li><li>• Calories</li><li>• Fat</li><li>• Grams of Fat</li><li>• Carbohydrates</li><li>• Grams of Carbohydrates</li><li>• Protein</li><li>• Grams of Proteins</li><li>• Ingredient</li><li>• Sub-Recipe</li><li>• Day</li><li>• Log</li><li>• Number of servings</li><li>• Totals of Nutrients</li><li>• Graphs</li><li>• Distribution</li><li>• Weight</li><li>• Intake of calories</li><li>• Goal</li><li>• Status</li><li>• Time</li><li>• Data</li><li>• Calorie Targets</li><li>• Log Entries</li><li>• number of meals</li></ul>	<ul style="list-style-type: none"><li>• Create</li><li>• Provide</li><li>• Combined</li><li>• Add</li><li>• Remove</li><li>• Log</li><li>• Consumed</li><li>• Display</li><li>• Indicate</li><li>• Attach</li><li>• Meets</li><li>• Helps</li><li>• Track</li><li>• Understand</li><li>• Save</li><li>• Includes</li><li>• Consumption</li></ul>

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.

<b>Class noun: Collection</b>	
<b>Attribute nouns</b> Food, Recipes, Sub-Recipe, Ingredient	<b>Behavior verbs</b> Create, Provide, Combined, Add

<b>Class noun: Information</b>	
<b>Attribute nouns</b> Calories, Fat, Carbohydrates	<b>Behavior verbs</b> Add, Log, Consumed, Track, Save

<b>Class noun: Log</b>	
<b>Attribute nouns</b> Day, Log, Number of servings, Totals of Nutrients, Graphs, Distribution Weight, Intake of calories, Goal	<b>Behavior verbs</b> <ul style="list-style-type: none"> <li>• Log</li> <li>• Consumed</li> <li>• Display</li> <li>• Indicate</li> <li>• Save</li> <li>• Track</li> <li>• Consumption</li> </ul>

<b>Class noun: Recipes</b>	
<b>Attribute nouns</b> Name, number of Servings, calories, grams of fat, grams of carbohydrates, and grams of protein	<b>Behavior verbs</b> <ul style="list-style-type: none"> <li>• Add</li> <li>• Log</li> <li>• Consumed</li> <li>• Display</li> </ul>

<b>Class noun: Food</b>	
<b>Attribute nouns</b> Name, number of Servings, total nutrients, fats, carbs, proteins, percentage	<b>Behavior verbs</b> <ul style="list-style-type: none"> <li>• Track</li> <li>• Add</li> <li>• Log</li> <li>• Display</li> <li>• Save</li> <li>• Consumption</li> </ul>

<b>Class noun: Users</b>	
<b>Attribute nouns</b> Name, Intake of Calories, calorie targets, number of meals, Grams of Proteins, Grams of Carbohydrate	<b>Behavior verbs</b> <ul style="list-style-type: none"> <li>• Add</li> <li>• Remove</li> <li>• Log</li> <li>• Consumed</li> <li>• Meets</li> </ul>

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<b>Attribute nouns</b>	<b>Behavior verbs</b>

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