# Nouns and Verbs

***Complete this activity as a Team and submit the file to your SVN /doc directory.***

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.

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| **Nouns** | **Verbs** |
| Collection  Basic foods  Users  Recipes  Food  Calories  Gram of fat  Grams of carbohydrates  Grams of protein  Food  Log of the food  Number of servings of each food  Nutrients  Graphs  Distribution  User  Graph  Day  Other information  log entries  weight  program  status  calorie goal  weight over time  goal  users data  collection of foods  recipes  information  daily consumption  calorie targets  recorded weights  food file  collection of foods  each line  file  information  single basic food or single recipe | create recipe  Use recipe as ingredients in other recipes  add to the system  consumed  display  showing  intake of calories  indicate  to track  save  logged  Calorie intake for the day meets their desired intake  combined  provide  include  desired  formatted  store  defined  shall be formatted |

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.

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| **Class noun: Recipe** | |
| **Attribute nouns**  collection of foods  Number of servings of each food  Nutrients | **Behavior verbs**  save  Use recipe as ingredients in other recipes  display |

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| **Class noun: User** | |
| **Attribute nouns**  weight  goal  daily consumption  calorie goal  log | **Behavior verbs**  intake of calories  Calorie intake for the day meets their desired intake  create recipe |

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| **Class noun: Food** | |
| **Attribute nouns**  Nutrients  Gram of fat  Grams of carbohydrates  Grams of protein | **Behavior verbs**  add to the system  consumed  logged  to track |

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| **Class noun: Log** | |
| **Attribute nouns**  daily consumption  recorded weights  weight over time  Day (date) | **Behavior verbs**  store  save  add to the system |

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| **Class noun: Graph** | |
| **Attribute nouns**  Nutrients  Gram of fat  Grams of carbohydrates  Grams of protein  goal  weight over time | **Behavior verbs**  display  to track |

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| **Class noun: Information** | |
| **Attribute nouns**  Food file  Collection of foods  users data  log entries  Nutrients | **Behavior verbs**  store  display  logged  formatted |

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| **Class noun: Distribution** | |
| **Attribute nouns**  Log of the food  Number of servings of each food  log entries  Other information  collection of foods  users data | **Behavior verbs**  add to the system  logged  shall be formatted  display  consumed |

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| **Class noun: Goal** | |
| **Attribute nouns**  daily consumption  collection of foods  weight over time  Nutrients  users data  Day | **Behavior verbs**  to track  Calorie intake for the day meets their desired intake  Intake of calories  consumed |

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| **Class noun: Day** | |
| **Attribute nouns**  Day  collection of foods  consumption  Nutrients  Gram of fat  Grams of carbohydrates  Grams of protein | **Behavior verbs**  intake of calories  logged  consumed  display |