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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.

Nouns	Verbs
Food collection Daily log User interface User CSV file Food database Food Recipe File	Maintain Add Display Set Record Save Load Request Select Change Reset Update Measure Calculate Search Edit Validate Filter Export Import

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: Food Collection	
<u>Attribute nouns</u> File (CSV) Food Recipe	<u>Behavior verbs</u> Maintain(food/recipe file) Format (CSV line) Load (into data structure) Save

Class noun: Daily Log	
<u>Attribute nouns</u> File (CSV) Food intake Weight Calorie limit	<u>Behavior verbs</u> Maintain (log file) Record (weight) Record(calorie limit) Record(food) Format (CSV line) Load(into data structure) Save

Class noun: Food database	
<u>Attribute nouns</u> Food name Calories Fat Carb Protein Food count	<u>Behavior verbs</u> Set (food name) Set (food calories) Set (fat) Set (carb) Set (protein) Set (recipe food name) Set (recipe food count)

Class noun: User

<u>Attribute nouns</u> Food Weight Caloric	<u>Behavior verbs</u> Select (food) Add (basic food) Record (weight) Set (desired caloric intake) Change (daily calorie limit) Change (weight)
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Class noun: User Interface	
<u>Attribute nouns</u> food item the number of servings Date Calorie Limit, Weight CSV File	<u>Behavior verbs</u> Add (food item, the number of servings) Delete (food item) Change (date) Update (Calorie limit, weight) Update (CSV files) DisplayDietaryInfo (fooditem)

Class noun: CSV File	
Attribute nouns Fields, Rows, Columns, Formulas, Cells,	Behavior verbs Input (food item, servings, weight) Delete (food item, servings, weight) Update (food item, servings, weight) Validate Search Export Import

Class noun: Food Item	
Attribute nouns fat, carbs, and protein.	Behavior verbs Set (fat, carbs, and protein) Display (fat, carbs, and protein)

Class noun: SelectADate	
Attribute nouns Date	Behavior verbs Set (Date)

Class noun:	
Attribute nouns	Behavior verbs