

SWEN 383 – Diet Manager V1 - Nouns & Verbs

List **all** the nouns and verbs that you find in the project's assignment that have any association with project's features, operation, or data.

Nouns	Verbs
Interface, Diet, Servings, Weight, Information, Caloric Intake, Recipes, Log, Date, Internal Data Structure, Basic Foods, Food Collection, Daily Log, Quantity, CSV file, Calorie Limit, Subrecipe, Dietary information	Record, select, show, change, consume, set, load, save, initialize, delete, log

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: DietRunner	
Attribute nouns DietInterface	Behavior verbs run

Class noun: DietInterface	
Attribute nouns LogReader LogWriter FoodCollection	Behavior verbs initialize save initialize load initialize delete initialize update display data

Class noun: Foods	
Attribute nouns Basic Food Recipes Dietary information DietManager	Behavior verbs consumed added (uploaded to csv)

Class noun: LogReader

Attribute nouns CSV file Food Collection	Behavior verbs Reading
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Class noun: LogWriter	
Attribute nouns CSV file Food Collection	Behavior verbs Logging updating deleting

Class noun: Recipes	
Attribute nouns FoodCollection Quantity Subrecipe Dietary information	Behavior verbs creating updating adding

Class noun: Date	
Attribute nouns Daily log Calorie limit Caloric intake Quantity Weight	Behavior verbs modified updated record show

Class noun: Calorie Limit	
Attribute nouns Caloric intake Quantity FoodCollection Dietary information	Behavior verbs set modifying default

Class noun: Servings	
Attribute nouns FoodCollection Recipes Caloric intake Calorie limit Quantity Dietary information	Behavior verbs counting updating

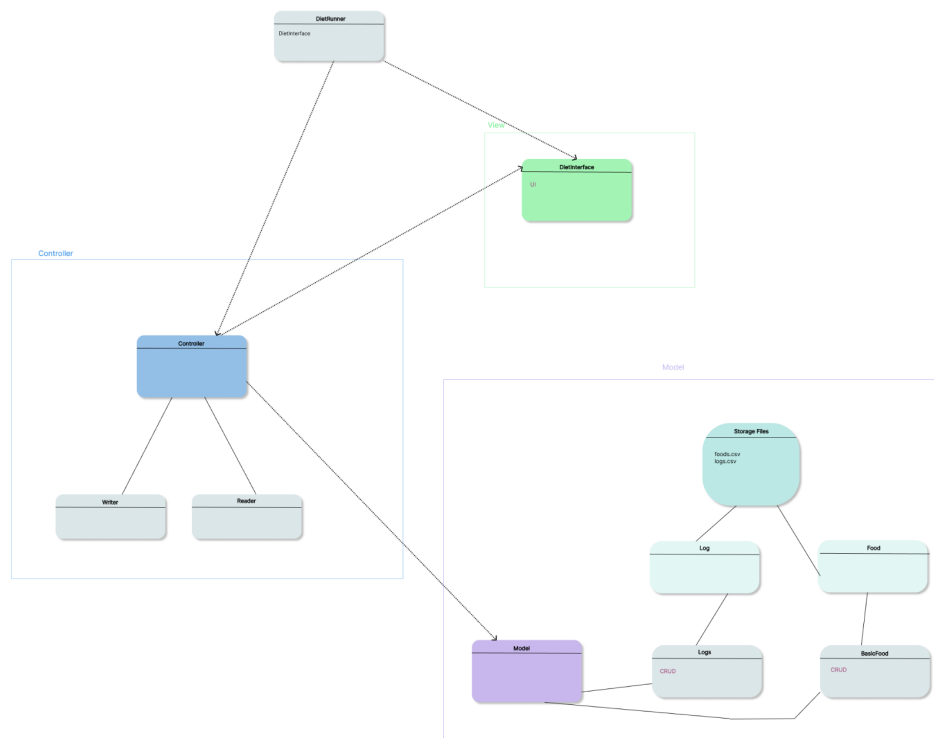
Class noun: Diet	
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Attribute nouns FoodCollection Dietary information Recipe Subrecipe Caloric Intake Calorie limit Quantity Date	Behavior verbs tracking set modifying monitoring managing
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Class noun: DietManager	
Attribute nouns Weight Diet FoodCollection Dietary information Date Quantity Recipe Subrecipe Interface	Behavior verbs monitoring displaying recording

Next, using Visual Paradigm Online or a similar app draw a UML Class Diagram that shows how classes interact with each other. This is an initial sketch of your solution that is going to evolve over time, while working on your project. For now, just try to connect the classes in a meaningful way and import the image:

<HERE>



By the end of the day, when done, upload the document to GitLab, into your new project, in the 'doc' folder.