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.

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| **Nouns** | **Verbs** |
| DietManager  DietInformation  CurrentWeigth  GoalWeigth  Recipe  Log | selectFood()  displayInfo()  recordWeigth()  showWeigth()  changeWeigth()  makeRecipe()  recordFoodConsumed()  setCalorieLimit() |

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: DietManager** | |
| **Attribute nouns**  Weigth  BasicFood | **Behavior verbs**  selectFood() |

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| **Class noun: BasicFood** | |
| **Attribute nouns**  foodName  Calories  Fats  Carbs  protein | **Behavior verbs**  displayInfo() |

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| **Class noun: Weigth** | |
| **Attribute nouns**  startingWeigth  currWeigth  goalWeigth | **Behavior verbs**  recordWeigth()  showWeigth()  changeWeigth() |

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| **Class noun: Recipe** | |
| **Attribute nouns**  BasicFood  recipeName  subRecipe  servings | **Behavior verbs**  makeRecipe() |

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| **Class noun: Log** | |
| **Attribute nouns**  Weight  foodConsumed  date  calorieLimit | **Behavior verbs**  recordFoodConsumed()  recordWeight()  setCalorieLimit() |

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:

Diagram

Description automatically generated

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