CSSE220 In-Class Activity - Analyze the Problem Statement

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| To Do:   1. Do TODO #1, #2, #3, and #4 (below) | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CM: \_\_\_\_\_\_  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CM: \_\_\_\_\_\_ |

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| The *Rental Company* Problem Statement |
| * A rental company has many vehicles that it rents. Vehicles have a year, make, and model and a stock photo advertising the vehicle on file. There are multiple vehicles that are the same year, make, model. * However, additional information on the specific physical vehicles is also required. For instance, each physical vehicle has a VIN (vehicle identification number unique to each), a description of any damage to it, and the driver’s license numbers of everyone who has rented it. * The company also needs to be able to print out the damage report of a vehicle given a VIN. The company also must print out an advertisement using the stock photo for a given year, make, and model. |

**To Do #1**

Identify all the *primary nouns* in the Problem Statement (above). A primary noun *has* other nouns associated with it*.*

For example, “Employee has a name, age, address” - here, the *primary noun* is Employee, and the *other nouns* are name age, and address

*Primary Noun List:*

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**To Do #2**

For each primary noun listed in To Do #1 (above), write down its associated *attributes* (other nouns) - write these down in the second column above next to the corresponding primary noun. For the example above, *name, age,* and *address* would be placed in the second column.

**To Do #3**

Identify all the *verbs* in the Problem Statement.

*Verb List:*

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**To Do #4**

For each verb in To Do #3, identify all the *nouns (Primary and/or other)* in the Problem Statement that the verb work on - write these nouns down in the second column above next to the corresponding verb.