

Homework 5
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COMP 3270 - 001

Question 1:

To ensure a singleton has only one instance we can create a global single point of access with a static method that returns the singleton.

Question 2:

For this problem, I would use the composite GoF pattern. I would do this because of the atomic design it implements allowing for encryption in databases to protect user data.

Question 3:

For this problem, I would use the command method to allow for each task being done on each character to be represented as a class. Each class will perform a task on the text for example checking if there is more than one character and formatting them.

Question 4:

For this problem I would use the Command pattern. I would do this using a counter specific to each class representing classes. When a task is completed the counter specific to that task would increment thus keeping a running record of the tasks performed and how many times they were performed.