CSSE 374 - Lab 1-1 Responses

1. *Identify and explain problems prevalent in the students’ design.*

* Student’s design favors inheritance over composition
* Changes to the DataStandardizer class can unintentionally affect the behavior of all DataStandardizer subclasses.
* If more subclasses are used to extend functionality in the future, then it will be difficult to gain knowledge of all DataStandardizer parsing behaviors.
* The parse behavior of a DataStandardizer cannot be changed at runtime.
* Subclasses of DataStandardizer that share a common (non-default) parse behavior will be forced to duplicate each other’s code.

1. *Explain why sub-classing DataStandardizer and overriding the parse() method is not the best idea.*
2. *Create a UML Class Diagram to present your new design idea and explain it in a few lines.*