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Reading Assignment #2

Question #1:

Loose coupling means that when you are creating your design you will keep the amount of connections that each part of your project has to each other to a low amount. The design will make the project have lots of encapsulation and defined functions/classes that keep to themselves. We plan to include this into our project by making the database for the students and faculty one database instead of two separate ones like we originally had implemented. This will allow in the future when we add this functionality to only have to have one line of code to retrieve information when displaying student and faculty information instead of having to focus on which database to refer to.

Leanness is a way to remove the unusable parts from your project. This means to cut the portions of code that don't matter when the final project is finished. In your project when writing code it has to be tested and considered for future implementations, so if the code being written won't help in the long run then it doesn't need to be added. Our project had used this design concept because when we were just starting out we were making a framework to build future versions off of and we added code that we could use if we decided we wanted that functionality and now that we are filling in the gaps for iteration 2 we have cut away some parts that weren't needed. We think this process will keep going as we continue to work on the project for the current iteration and the final one.

// will still work on that
Minimal complexity is one of the most crucial aspects in project development. Although it might seem counter intuitive to use common methods of project design in the innovative product, it would be the most optimal solution in terms of time & cost efficiency. Complex designs might seem like a good idea in theory, however in practice complex designs provide more space for an error. Along with that, the complexity would not be beneficial in debugging such a design, as having a code written in the unconventional way does not allow for easy identification of the bug causing element. In most cases, complex designs also have a tendency to overlap with the other working code. In case of editing of such design, it is often the case that the other parts of the code would not function properly.

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Question #2