By applying everything you learned this term, you will refactor Assignment Alpha – the first assignment you attempted before you filled your brain with many OO design strategies.

Provide a detailed report on your analysis of Assignment Alpha—the good, the bad, and the ugly. Do not be afraid to critique your amateur efforts from early January. In addition, your report should discuss your changes to ensure that Assignment Ω adheres to sound OO design principles. This includes applying relevant design pattern(s) or SOLID principles or eliminating code smells—or all three!

Your refactored code should feature Javadoc: How to use Javadoc (Oracle). It would also help to use packages to organize your code, including separating your tests from the rest of your codebase: How to use packages (IBM).

Your grade consists of 40% refactoring Assignment Alpha, 40% reporting on the transformation, 10% testing, and 10% accompanying UML class diagrams.

If you improve on your grade from Assignment Alpha, your Assignment Ω grade will replace your grade from Assignment Alpha, provided you submitted Assignment Alpha.

Deadline: April 20 (6 PM), but submissions before then are always appreciated.

Submit everything (refactored code and your report) on GitHub in your Assignment-Omega repository.