

David Do  
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This assignment was a time consuming one. Luckily, there was time over spring break to look over things in advance. At first I wanted to get a solid ground of what to do. I noticed it was focused around hashes and things we went over class. However, I also realized I forgot a lot of things we learned in the past: implements, simple class logic, etc. I kept on getting silly bugs that took forever to fix- many were the type where eclipse's suggestions actually don't end up helping. I was used to everything being set up for me already. I relearned things I had forgotten and hashing. I once again learned that it is very important to actually read the word document. This time I just skimmed over it while in reality I didn't understand where to even start.

The first thing I struggled with was just knowing where to start. While examining the code, I noticed classes that I needed to implement, but I didn't know what to do about "CourseDBElement" as it didn't have any implementations. However, thankfully I looked at the word document and noticed what purpose it served. As mentioned, I forgot how implementing works and how you need to add @Override; eclipse kept on giving me an error over first wanting to add the override, then removing it. I was stuck in this loop for the while before I realized I implemented Comparable.java incorrectly, which was why there was the override error to begin with. The hashing also took a long time, but mainly I just needed to google and watch some youtube videos to understand the concept. Thankfully the implementations were pretty organized and the word doc sort of explained what to do.

Things I would do differently on the next project would be a reflection of the things I learned and struggled from. The first thing I would do is try to understand the errors I am getting rather than trying to brute force my way through the code: "oh just finish the logic now and worry about the errors later". This made the debugging process super long and annoying, especially for areas I didn't remember too well. Now I realize how getting a "good grasp" on the assignment reaches past just the word doc. I need to also go through the code that is given. I will also make sure I understand the content taught in class, as it will most likely be applied to the assignment. I will still continue to rely on google and youtube for concept help.