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CMSC204

Professor Monshi

Assignment 1

Due 9-17-2020

**Learning Experience.**

In this assignment one, I was tasked to create a utility class based on given GUI to implement a program that checks for valid passwords. The concepts tested in this assignment was ArrayList, static, Read Files, Javadoc, Junit Tests and Exception handling. The challenges of this assignment for me was everything. Admittedly, I have not done a lot of programming throughout the summer so when I saw this assignment, I was overwhelmed at fist. However, as I progressed in the assignment and searching up what I have forgotten, things I have learned in the past started coming back. However, I did have specific area I struggled more than the other places which were keeping up with the changing instructions and exception handling

Throughout this assignment, there were several changes that were made to the java doc provided and the test cases. However, I did not check them in time and had to make changes to my code long after I’ve implemented according to the outdated instructions which resulted in my code failing the test cases though I’ve implemented according to the instructions. Because I did not check the updated information in time, I had to constantly ask questions that were already addressed to the professor. I realize if this was a work place, I would’ve been held to question or, at worst case, be fired. I learned that staying in touch with the client or superior is important as not only would it produce correct result, but lessen the unnecessary confusion and workload too.

Another topic I struggled was with exception handling. At first, I was confused as to where to handle the exception because at first glance, the provided files did not handle the custom exceptions. After hours of struggling, I’ve carefully re-read the provided files only to realize that provided files does catch the custom exception I created and it was not doing so because I was extending the runtime exceptions for the custom exceptions while the provided code called for exception class instead. I learned that class Exception and RuntimeException were not the same and extending RuntimeException does not extend Exception class.

Overall, this assignment one was a great review. Through this assignment, I was able to remember many of the concepts such as ArrayList, Junit and exception handling all the while learning that not only is the coding itself important but the communication is just as important for programmers.