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Milestone Two

The files submitted are from CS 340, a course I took last term. In that course I worked within MongoDB and had to create a script that would allow a user to add an inspection of a company to a database. This inspection would contain various fields of information on the company, such as name, inspection result, date of inspection, etc. The script also had to allow a user to search for inspection results, update inspection results, and delete inspection results. The original scripts were written in Python.

The scripts submitted today are Java scripts. This is because I chose to convert the original Python scripts into Java. This was done to showcase a proficiency in both languages. This required that I understand each language and the function of the script well enough that I could achieve the same goal in both Java and Python. That is why I believe this highlights my proficiency in software design, I understand how to make this script work regardless of the language, because I understand the underlying principles that are being utilized by the script.

I met the course objectives I planned to meet. I took my assignment from Python and put it into Java while retaining the proper functionality. There is just one change that bears noting. The original script worked within a Mongo database. This means it connected to the database and the collection and operated there. The database I was working in is no longer available to me as that course has ended. Therefore, I made the script retain the desired functionality, but it does not save the inspection results to a database. Instead, it stores the results in an array list. This change does not impact the overall function of the script. The user can create, find, update, and delete inspection results. I started the beginning of a user interface as well, which will be fully realized in part three of the final project.

The largest challenge I faced in this process was that I have not written code in Java in a very long time. It took me a while to remember a lot of syntax nuances and functions. More than once I found myself referring to old textbooks as I tried to recall how exactly to use a Scanner or an array list. This was a highly enjoyable assignment. It required a lot of thought and planning as I had to figure out what the desired functionality was and then recreate that with a different set of tools.