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CS-499

**Milestone Two**

The artifact chosen is a Junit test file for a contact service in Java. It was created in my Software Automation & Quality Assurance class, which I took in November of 2020. I selected this item for inclusion into my ePortfolio because it shows how my experience with not only Java, but also with creating solid tests with JUnit. This artifact shows my ability to write some basic loops, follow software requirements, and my ability to write easy-to-follow code with comments that are clear and concise. This artifacts improvision was done with some simple variable names that needed to be updated, along with some comments that needed to be changed. Along with this, some revisions to the testing strings placed into updating certain contacts, as they could be confusing for a reader.

One of the Computer Science program outcomes is demonstrating the ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals. One of the major takeaways from Computer Science classes is the efficient use of comments and testing software, which are both showcased in this artifact through JUnit testing and clear comments.

As for challenges of modifying this artifact, one of the major challenges I faced was deciding what to update and what needed to be removed. As time has went by in this program, I have definitely developed a better mindset for what needs to be in a project and what can be removed. A few comments I had placed during the creation of the project were too vague or did just not need to be there. Deciding what ones to remove was definitely a challenge, but in the end, I feel as though I made the right revisions. Changing variable names to be more concise (for example, variable names in the Contact array) found to be challenging since some of them were test variables, but I feel as though the code is easier to follow or re-write now that they have been updated.