First, I would like to note that I did my senior design by myself, and that all efforts made towards it were my own. I did build upon my skills identified in my initial assessment, as I am sure many others. One of the skills that I improved upon was time management as well as time estimation skills. My initial goals for this project were very lofty, but I accomplished most of what I wanted to. The reason for not being able to complete them all was because of the increase workload I took in my Spring semester over my Fall semester, which I did not account for and caused me to be delayed in my project work. In the future, I will make sure to account for this kind of issue or challenge and then update my goals if needed. My time management skills have also improved as I was able to plan what I needed to get done, before the months away deadline.

Some of the other skills I have improved upon would be, presentations (both creating and giving), documentation, class design. There are also a whole new set of skills I learned through this project; to name a few skill: writing in Kotlin, using coroutines, working with limited resources, using Android Studio and its suite, creating multiplatform libraries and packages (and building them), networking details, and, honestly, so much more. These skills were all things I learned along the way from developing my library and application.

One of the most challenging obstacle of the project was to find and understand the measurements that were described in the test I was implementing. This was because the web client I was using (Ktor) did not natively have an API that would give me the callbacks or hooks that I needed for the measurements. I was fortunately able to find a client that it used (OkHttp) that did have an API for those hooks allowing me to get those measurements. Then I had to integrate these measurements together somehow and keep track of them for the test, which required coroutines and channels, as well as, writing my own hooks. I found this the most challenging and time consuming part of this project but it was also one of the most rewarding things to have accomplished.

Since I did not have a team I cannot discuss my group or group work experiences; however, I can say that I wish I would have been able to find more people to work on this project with me. Initially, I did think I could do it all, and to the most part I have, but it would have been *much* better to have someone to bounce ideas off, or help with the workload of the required written assignments. I would like to thank my advisor Dr. Will Hawkins for all the support he did provide me throughout this project, as well as, the helpful feedback he always gave.