**Implementation**

**Time Constraints**

When it came down to working on the project as a group we needed to balance our group work with the amount of time each of us had to work on it. Two of the three members have work on a daily basis with this we needed to work around each other schedule in order to complete this project. The times that we usually met to work was always in the afternoon almost every day starting from when we were assigned the project. We also were able to use the time in our labs and on the weekends to get a good amount of work done on our project. Family issues and other important life matters also played a factor in the time constraints but we were able to work around each other’s schedule to make it work.

**Set Backs**

With this project there were many setbacks that we as a group had to overcome in order to make the project work properly. As a group we had two major setbacks that required us to completely stop what we were working on and go back and debug the whole program. One was the fact that we needed the data info on the servo motor for the actual speed of each beat per minute and it caused many bugs in our code that we had to find and change to make the speed be up to the par that we needed. The second setback was in one of our last labs, our whole system would not turn on and would not give us any sort of feedback on to why none of the peripherals that we had were not turning on. To fix that issue we needed to enable the interrupts by one simple command. Up until now no other setbacks have happened.

**Organization**

In the beginning of the project our organization was hectic and needed work. We ended up coming up with a priority plan that allowed us to be more organized with our time and work in order to create the project in order from greatest to least priority. We started with the servo motor and the buzzer to make sure the basic use of a metronome which is sound and visual aspect were working correctly. Next was the aspect of being able to transfer the data from the app to the device itself. With that we implemented the LCD to show the user what they were selecting as well as working on the ADC to measure the battery life for the user. Implementing each one of these in the order that we chose was what led us to succeed in the design that we chose and led us to complete the project with full confidence.