

Results Document

We successfully created a minimum viable project within the first two weeks, which gave us freedom to work on the features that we found most valuable. We had many ideas for features we could add, but we were not able to implement all of them. For example, from Android, we are able to stream device metrics to the server, however we have not yet implemented this feature for iOS devices. Additionally, our program does not save the device metrics being streamed from Android devices. We were hoping to save these in order to allow users to view historical device metrics while they are viewing historical logs. Finally, we currently have authentication based solely on a user's email but we originally planned to also set up Google authentication as an alternative option. The features that were implemented in the given time frame were the most important features for the functionality of the application.

In regards to agile programming, daily standups and weekly sprints greatly improved the efficiency and communication within our group. In retrospect we realize that splitting large stories into smaller, more specific stories would have made it easier to accurately estimate the time needed for each story. Better time estimates would have improved our sprint planning and agile processes overall. Another lesson we learned is to consider more than one library before deciding which one to use. We wasted time trying to implement our device metric graphing with the D3 data visualization library and eventually switched to a library called Chart.js because it has built in features for live updating the graphs.

In the future it would be great to see how users interact with our product to test its usability. We would also like to have a focus group to see which features are still needed for our project and give us the necessary feedback in order to improve our product and move it forward. For now, we have exceeded the basic requirements stated by our client and we are hopeful our product will be a useful tool for mobile app developers.