Delivery Plan and Final Report 5/6/2016

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Delivery Plan

We delivered the final product during on the band organization's leadership auditions. During this event the client was able to set up a side area for us to experience and test out the product with volunteer students that would present a real world situation. The teacher will conduct several normal and typical directions using the app with the students and touched every single project requirement. We had to bring some of our own android devices to use since the school does not have a large supply for us to borrow and use. The setup required us to install the app onto each device within the demonstration and connection to the local internet on each device. Then we needed to download all the necessary test music and coordinate sheets for each device. Once everything was setup and working, the client basically ran through some routine situations that would occur within a marching band summer and mid-season rehearsals to test the app.

Throughout the demonstrations and rehearsal situations of the app, the internet was a little slow when loading notifications and the student attendance list, but the app did not break down or run into any errors. Other than the internet being slow, the experience for both the student and the teachers were positive as they were excited about not needing to carry around heavy binders every rehearsal. The teachers could already predict how much paper they could save throughout the season with the applications and even see possibilities for use after marching band season within the classroom. They do wish that the navigation from the books screen to the photos screen was faster to produce initially, but they understand that the way we implemented the books was necessary for proper organization both for the user and the SQLite database.

Project Debrief

The overall plan for the project was well organized and throughout for the team to begin development after publishing the project plan. However, the other members of the team were not sufficiently motivated to work hard to complete all of the tasks on time in the end. We probably should have picked a less difficult project to attempt, but I believe that either way we would have experienced the same challenges within the team. As the team slowly developed the project, we started figuring out all of the requirements and aspects of the project that would have ultimately been impossible to implement and polish in time for the final due date. There were several items on this list that the entire team would have needed to take even more time to learn new and complicated languages alongside how to implement it with android studios. All of this was on top of how difficult it is for us to use android studios that required a lot of CPU power to run and was very slow and unclear. But after cutting all of the more complicated and difficult aspects of the project, we were able to find success in completing an acceptable project for the client to eventually use in their programs with little to no complaints or problems.

In retrospect, I would have put together a much more organized and capable team to tackle a project of this scale and difficulty with the lack of open knowledge about how to code the project. I also would have tried to pick a more knowledgeable project concept for us to do that did not require android studios to build or of something similarly weak. But in terms of the project design and plan, everything that was thought out and developed were all useful and implemented minus the requirements that were cut out due to difficulty and lack of knowledge. If I had a strong team to work with, this project would have turned out so much better with an extremely high quality final product.

As for the team, there was nothing that could truthfully be resolved within the semester. I got stuck with a slow team, where two of which finally woke during crunch time to help produce a working final product. However, the weakest member ended up being useless besides helping to present the final product and act like he knew what he was doing. Neither of those problems could have been resolved mid-way through the semester when I found out that these guys haven't actually been doing much since I asked them to. Finding a new team to work with would have screwed them over, finding replacements was impossible, and even removing the weakest

member would not have changed anything. At this point it doesn't matter anymore, they all deserve to pass and experience the real world with their skills alongside figuring out how to be successful on their own because that is the theme for all CS majors at this school. Overall, it was just another unavoidable group project where I get stuck doing most of the work, have no problem getting an A in the end, and have to write another final report like this. After 6 years of this every semester through 2 different colleges, I'm used to it by now.

Delivery Plan/Final Report

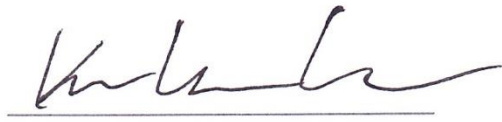## Team Nova Elite: Member Signature Sheet

This page consists of all four team members' signatures confirming that they have written, read through, and fully agree with everything written in the final report deliverable.

Jason Hoang

Sabrin Thamed

KaiChuan Chan

Imran Ahktar

Signed on: 5/3/2016