

Vince Augustine

CS Design I

### Capstone Assessment

We as a group strive to help make any process more streamline. The current tech era has allowed us to make the most frustrating things in life, much easier. Our project is to design an application that automates the technique of signing dive logs. We will need to know advanced SQL databasing techniques, in addition to basic UI design. In My perspective, our project will allow us to broaden our range of computer programming. It will allow us to experience a project neither of us have ever experienced before.

In the field of classes, we have learned in our curriculum; we can use many styles of programming languages to assist us in the programming side of the UI. When it comes to databasing, I have only taken the basic SQL class that discusses Database theory (Number Unknown). I believe that basic programming practice in prior classes, like Python Programming, will allow us to understand SQL better. On the UI side of the project, we both have used android studio to create an app in a class we had together (Software Engineering). AJ and I were in the same group for this class. I believe our curriculum will help us mostly on the frontend of the application.

In my co-op at Honeywell Intelligrated, the only language I ever used was SQL. Knowledge of SQL will assist us vastly with connecting our app to a server. At first, as a software engineering intern, I struggled with SQL but after awhile I got the hang of it. My knowledge of SQL will help us vastly with the backend of our project. My skills could also help us design a working UI. I have had experience in C at intelligrated which involved making changes to a UI of our proprietary software.

I am extremely excited to start this project because it means I get to make an app. I have always enjoyed making apps and learning more about UI customization. The last app I made was very enjoyable because it allowed me to learn how to connect a database to a UI. This portion of the app is very difficult; however, it is always amazing to learn new things. AJ is always an awesome partner and his designing skills are always flawless. I am excited to design a UI designed by him.

Our expected results are to have a working prototype well before the Expo. Our biggest fear is to show up at the Expo with a bugged-out app. So, we are going to strive to finish the whole app well beforehand, so we have an abundance of time to fix any issues and diagnose all bugs. We will evaluate our contributions by doing user testing and if everything works out the way we want it then we did a good job. However, we will know when all of those issues are fixed. We have planned many weeks of user testing and bug fixing prior to the Expo.