

For the senior design course, Hunter and I have decided to create a dating app for Android systems. The reason I chose to do this is so I would be able to have exposure on creating an app. It would also help me with having a firsthand understanding of database and how to handle and how they work. Since we are creating this app for Android systems only, we will be coding in a program that is used for Android systems, Kotlin. This would benefit me as it would help expand my programming language repertoire. Those are the main academic reasons I chose to do this project.

The classes that I took that will benefit the project, were Intro to Web Authorizing; ENGL 3069, Python Programming; CS 2021. Intro to Web Authorization helped me create basic websites. That is beneficial to the project as I would be able to translate the app into a website in the future, it also helped me understand what attracts people to websites and use the websites, and I can easily apply those learnings into the app. Python Programming was a course to teach people how to code in Python and have a better understanding on how object-oriented programs work. Python Programming helped me understand coding and how to code in an object-oriented program like Python. I can apply the learnings from that class to learn better understand how Kotlin works and how to code in it. Also, those two classes were the only classes that I learned any coding or even engineer related topics, as the professors either didn't know how to teach or they didn't care to teach.

My co-op over at Electronauts is beneficial to the project on the non-technical side. Over at my two rotations at Electronauts, I learned how to communicate; or connect as the company would say, with team members and shift supervisors to better plan out projects. I also learned how to be more team-oriented, as the company required everyone to work as a team. The co-ops also helped on being passionate about the projects, as if you're not passionate about the work, then the project wouldn't get as much care or effort as it should. Also, they have taught me to manage my time, as I would have to finish the projects in a certain amount of time, mostly in hours, and that has helped me find ways to reduce the amount of time to do the project. Those are the non-technical skills I learned from my co-ops over at Electronauts.

My motivations to participate on the project are to expand my knowledge of coding, as in learning a new program. Another motivation of mine is to do something that will be beneficial to other people, and I believe that this project will do so. The reason I believe so is because of the amount of single people who are wanting to be in a relationship and also want to meet new people and just hang out. However, there are some single people that are shy, introverted, or other reasons that prevent them to physically go out and meet new people in public. With this app, it will help those people as it doesn't require them to leave their house and it also reduces the stress and/or anxiety of going on a date with someone that might or might not have similar likes and preferences.

My preliminary approach to designing a solution would be to figure out what the problem/error is, then use my knowledge from Python Programming to solve the issue. If the issue continues, I will ask my teammate to help figure out what it is that could possibly cause the issue. Our expected result of this project is to have a prototype of the app to display the work put into it. Me personally, an expected achievement is to have learned how to create an app and have an understanding of database and data structures. We will know that we are done when we have a layout of the app done, with multiple working buttons, links to other pages of the app, and have "create account", "sign in"/"log in", and "sign out" functions. As for whether I have or haven't done a good job, that will be based on a peer review and the amount of contributions done to the app.