

Project #3: ImageGuess

When programming this assignment, it was difficult to think up of alternative additions to flesh out the base assignment that we were given. This project essentially built upon all of the foundations that we have covered and integrated in the previous projects, and for this project, personally, I integrated a lot of the code in my second project into this Android application. When starting this assignment, I experienced a rocky start trying to get this project set up and ready to go in order for me to be able to work and expand on it. I personally felt like the process of going through the setting up of using the Google API *Vision* into our project, and getting the credentials for us to be able to use that API, was a little too rushed. I was able to get my .json credential certified and integrated into my project, but what was mostly causing me issues was trying to get the API working into the project. I did a lot of digging and research into how to initialize a Google API, or the *Vision* API in general, and could not find anything that could help me in that regard. I did find out while building my project, that I needed to include in my project header that I was using the libraries of the Google API. It took some time, but I was able to find and go through trial and error to develop the correct headings so that it would not complain to me that I was missing a directory or library relating to Google. It was fun and refreshing to develop this app, and even though I was still utilizing code that I had already written in previous projects, I was still finding myself building upon that code and improving upon it. I still found myself learning and trying new things to add to the overall aesthetic and functionality of my app, and was I think I was successful in getting the majority of the flowchart requirements done. My primary concern and major gripe was not being able to figure out how to integrate the API into my project, other than just being able to include it into my project. Including it into my project was the first step, but the second and most important step was being able to use it. If I was able to figure out how to use the API effectively, I am certain that I would have been able to complete this project to its completion for the necessary requirements. Overall, I enjoyed working on this project, and other than the frustration with the Google API, it was fascinating for me personally to know nothing about developing Android applications, to learning a lot in such a small manner of time. Albeit, with a jumpstart with starter code already provided to us, and with the help of online tutorials and recipes, it makes the concept of making a functional Android app all that more feasible. It seemed fairly daunting at first, but with trial and error, and a lot of patience and know-how, I believe it is possible for anyone to create a working app.