

## CS1699 - Android Group Project Writeup

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Working on a group project with Josh R, Josh G, Alex, and Billy was a great learning experience. We communicated primarily through Slack, in-person meetings, and occasionally text. One of the main advantages of our group was our level of organization. Thanks primarily to Josh R, who taught us all how to use git/Github appropriately and efficiently. Overall, I think our team worked well together and completed our assignment efficiently.

My first task was to flesh out our core API for fellow teams to communicate with our application. I worked on this task with Alex and Josh R. Since we all had experience using an API, we had no problem defining a fairly strict document & implementing some structures for us and the other teams to use. This helped us in the long run because it ensured we all had a solid understanding of what we were building. The second task I worked on was the implementation of the testing tool with Josh G. Josh & I had very little trouble designing the testing tool as it essentially just sent hardcoded data to our main app. Whenever we got stuck, Josh G helped me research potential solutions through the Android docs. Binding to the service was tricky as I had never interacted with services before, but eventually we found a solution. The final task I completed was the content provider. Again, I had never worked with content providers before, so there was a bit of learning that I had to undergo before I could implement this solution, but eventually it worked.

Since I have already been doing Android development for some time, most of my challenges came from a project management standpoint. I never had worked with a team before, and as such I was worried about how efficient we would be. With the help of my fellow

teammates, I learned how to properly use git/github. Additionally, I was able to learn by doing, and eventually working in my group went smoothly.