My individual contribution to the project consisted of the UI design, the implementation of some of the activities for the app in XML using Android components, and the implementation of some of the backend code to support the activities in Java. I applied the fundamentals I learned in my previous coding classes as well as incorporating the design principles from the User Interface class I took last semester. I also incorporated the non-coding skills I got from the Software Engineering class. Since last Fall, I have improved my knowledge of coding in Java and using it as a backend language for XML in Android Studio, and now have a good understanding of the fundamentals of mobile development in the Android environment. I learned how to create a new app in Java, the basics of the backend of an Android app using androids included Java libraries and packages, create new activities, and implement a database with SQLite. It was easy to pick up the backend coding in Java which I would consider a success, and I was also able to translate what I learned in UI to creating the activities for the app. Some obstacles I encountered were setting up Android studio and moving an app in development to the Google Play Store, which I had some difficulties with, but I found some helpful YouTube tutorials to guide me.

My group created a fully functional Android app that allows a user to document their thoughts and feelings on the movies they watch. Nate and I created something that both of us have been using and will continue to develop and improve on, which is a good feeling. I learned that pair programming can make development go much faster, which can sound counterintuitive since only one person is actually coding, but with 2 brains working at once we got a lot done pretty quickly. This was one successful aspect of our teamwork, as well as the flexibility of us being good friends we were able to get work done at somewhat random times. This flexibility led to some procrastination on both of our parts as well, which wasn't as successful. Our contributions to the app were equal, I focused on the UI design and implementation and Nate focused on implementing the database to run the app, and both of us did work on the backend implementation and bug fixing/manual testing. Although there are only 2 of us in the group, I think Nate still deserves special recognition since he was fantastic to work with and I'm very happy with the outcome of our project.