

What went well?

My app for this project is fully functional and utilizes dialogs for the date and time pickers. I was able to check it against a website with the same tool and verified that the answers are accurate. With regards to the class, I think I developed a strong foundation to build off of for future app work. This was probably the only class in which I enjoyed doing the course work, since my other classes are mostly just math. It has gotten me excited to pursue the CTD program next year.

What did not go well?

One aspect of my project that could have gone better was the calculation process involved in finding a duration between two times. The calculations were not trivial due to the variation of days in each month, possibility of leap years, and sexagesimal system in which we present time. I think I could have implemented JodaTime or another time library had I looked for one prior to writing my calculations, so further research would have been beneficial.

I would have liked to find a way to include seconds and milliseconds as a setting as well, but I ran out of time due to work and other classes. This semester became pretty hectic as it came to an end. I also completely forgot about state saving for rotating the device, although I did account for the layout in both orientations.

In terms of the class, the biggest issue was my limited time. I was taking five graduate courses and working 20 hours each week, so I did not have as much time to explore app development as I would have liked. In some cases I was only able to do the bare minimum when I would've liked to get more creative.

Revision Options

If I were to continue working on this app, I would first save the states in the event of device rotation. I would include seconds and milliseconds as an EditText field for user input and also consider adding a second activity in which a user could add or subtract a duration to a given time and receive a resulting time.