

Gabriel Chapel  
Mobile Application Development  
Project 2  
Milestone 1

### **Description**

The app I plan to develop for this project a time calculator. This will calculate the duration between two times, which can be specified in terms of year, month, date, hour, minute, second, and microsecond. At work, I often have to know how much time has passed between two dates so I can verify simulations. Calculating this by hand is tedious, though, since time is mostly represented as a sexagesimal system rather than decimal and since the number of days in a month is not consistent. I often used a website that accomplished this, but realized it could easily be made into an app. The user will be able to input two times and the app will output a duration in a variety of units, such as days, hours, minutes, and seconds.

### **Audience**

This app is for people who want to quickly calculate the duration between two times without having to count the days on a calendar.

### **Competition**

After doing some research, I found most time calculating apps merely let the user add and subtract time, instead of find a duration between two times, and do not involve different days, months, or years. I plan to provide more options to the user and allow a large range of dates to be chosen from.

### **Content**

I will use Android Studio's date picker and time picker widgets and trivial calculations for this app.

