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Project 3 Plan

For this project I am going to create an app that assists the user by shutting off the users ring tone and switching it to vibrate when the user is either in class, at work or in another environment that is not suitable for loud ringtones. This will be done by either having the user input locations of their school, work and other areas they do not want to have their phone ring, and the ringer will switch form ring to vibrate based on user latitude and longitude. Another way that this could be done is by having the user input times they are in class or at work and having the ringer switched to vibrate during those times. In both cases, when the phone is no longer in the timeframe or the location to be quiet, the ringer will be switched back to what the user previously set.

Pseudo Code:

setQuietLocation1 = xxx

setQuietLocation2 = xxx

…

while user within 20 feet of a location{

RINGER\_MODE\_VIBRATE

}

else{

RINGER\_MODE\_NORMAL

}

//OR

setQuietTimeStart1 = xxx

setQuietTimeEnd1 = xxx

setQuietTimeStart2 = xxx

setQuietTimeEnd2 = xxx

…

if time is within the start and end of a quiet time{

RIGNER\_MODE\_VIBRATE

}

else{

RINGER\_MODE\_NORMAL

}