**Mobile Development Challenge**

**OPTION 2:**

1. **Describe** what your mobile application is about in **3-5 sentences**(.docx or .txt format)

My mobile application is a basic time app and REM Sleep calculator. The idea behind REM Cycles is that humans go through periods of deep sleep and shallow sleep. Based on the current time in which the button was pressed, the app generates 4 of the best times for the user to wake up that does not disrupt deep sleep, which is then displayed on the home screen for reference. The user may press undo to reset this at any time and the app builds upon the location choosing functionality taught in The Net Ninja Flutter Tutorial for Beginners Course. This app may be especially helpful for those working late night or on a tight travelling schedule.

1. **Write** a **3-7 sentence paragraph**(preferably in the same document as #1) describe your **experience** in the challenge. What process did you take? Did you have fun? What are your key takeaways while taking this challenge?

I’ve actually never tried dart or flutter before and have only used swift and xcode in the past for mobile development, but I wanted to challenge myself by learning the former. Admittedly, it was challenging and a bit overwhelming trying to learn everything I needed in a week, but I really found myself enjoying the process and developing a larger desire to learn more. After I finished the Net Ninja course (vvv helpful btw ty), I did encounter a lot of hurdles and errors, especially with understanding how all the pages interacted and connected with each other and applying this knowledge, but even during those moments where I felt so frustrated because I didn’t know what was wrong or what to do, I couldn’t help but continue and keep trying because I was genuinely enjoying what I was doing and wanted to accomplish this challenge. When thinking about what app to make, I really had my heart set at the idea of a sleep calculator as I first discovered about REM Cycles in the previous year and immediately knew that I wanted to try creating an app for it. This challenge became an opportunity for me to do so and it helps that the last app in the aforementioned course was a time app :> I also really wanted the app to have an alarm functionality and tried to implement this in my code, but unfortunately, it didn’t work out. At the end, I don’t think the app I created is advanced or complex by any means, but I am proud of what I did nonetheless and can’t wait to learn more and do more projects surrounding mobile development.