**Deviations from Initial Application Proposal**

Since the initial proposal there have been some changes made along the process, either due to complications in available resources or technologies. The changes are listed and detailed below:

1. **Medication Information provided by the Medication API**

Due to our constraints on budget, our project uses a public medication API. Public sourced medication information APIs did not include general information about a medication’s intended use in an easily readable format. Instead, we provided an option for users to manually note what the medications are intended to treat.

1. **Utilization of Firebase for User Authentication AND Firestore Database**

Initially, our database and backend were designed using an SQL structure. It was initially designed to be hosted using mySQL server provided by Seneca. However, with ease of integration with Firebase Authentication and its built in connection services, our project uses Google’s Firebase and Firestore to handle our database.

1. **Utilization of Push Notifications for Medication Intake Reminder rather than using mobile alarm system**

Our project had planned on using a mobile alarm clock system to alert users to take their medication. However, due to the functionality limitations of React Native, there was no way of writing an alarm without using Android and iOS Native Development. Instead, our project utilizes push notification, which is a new feature of Expo SDK 39, as our Medication Intake Reminder.

1. **Deployment of Application using Expo**

Deployment of our application using Expo was decided this semester as this mobile application cannot be hosted on Heroku, and our backend for authentication and database is managed my Google’s Firebase and Firestore. Instead of using Heroku, we have published our mobile application using Expo Publish. It provides a QR code, and when scanned using the Expo application available on Google Play or the Apple Store, provides access to our application’s full range of features.