Executive Summary

- **Overview** Put this project in context, perhaps including a story or example. What is the problem it is trying to solve? Why does this problem exist?

This app is for Burlington Pediatrics, and is intended to boost patient engagement and create a more convenient link for patients to get information from their pediatrics office while on the go.

- **Target Users.** What type of people or area will this project serve?

This project will mostly serve parents of children at Burlington Pediatrics. This app can also serve the teenagers themselves if they would like to download the app.

- **Value.** What will be improved or changed by this project? What is its value to its target users?

The goal of this project is to provide target users (parents of patients at Burlington Pediatrics) easier access to clinic hours, location data, appointment planning, and reduce trips to the emergency room. We would also like to reduce overlooking/forgetting important medical “seasons” (flu season), back-to-school forms, etc. Additionally, staff at Burlington Pediatrics will have a reduction of tedious tasks since the app will be able to answer basic parent questions.

- **Functionality.** What is this project going to do?

There are two main categories of function we plan for this app to have - providing general information about the patients so no authentication is needed and providing patient-specific information by having them provide their patient login. The potential features for each category is displayed below. All the features in the general category also go under the patient-specific category.

- **General**
  - Push notifications to the user to remind them of important general events (vaccine dates and flu season).
  - Available appointment times and making appointments
  - Drug reminders (manually set up?)
  - Drug dosing - charts or calculator
  - FAQs - deciding whether to bring your child to the clinic, make appt, emergency room

- **Patient-Specific**
  - Allow users to view files such as growth charts, physicals, and other documents that they may lose in paper
  - Push notifications for appointment reminders, medication refills, etc.

- **Technical Recommendation.** What is your rationale for the software and hardware you plan to use?
The client wants to use mobile technology to provide push notifications and also provide a convenient way to see office information. A mobile app is ideal for this project since it provides an easy and convenient way of accessing information (also possible without internet). We plan on using iOS since the majority of the patients have an iPhone. The only expense associated with the project will be deploying the app to the app store.