GlassRx Executive Summary - Evan Kaplan, Will Knowles, Vincent Wang

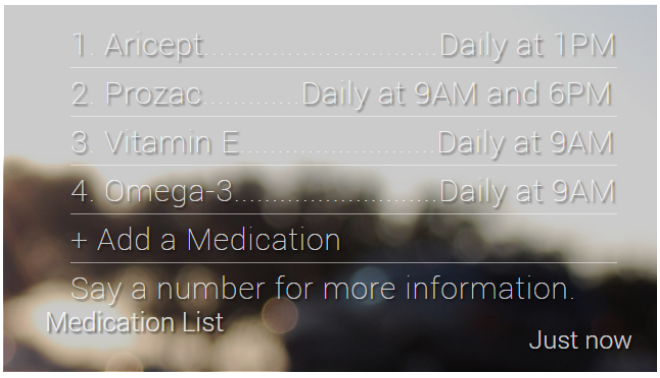
GlassRx is focused on making it easy for patients and physicians to manage medications and their corresponding schedules. In this day and age, it's obvious how technology seamlessly integrates into our everyday lives, and while there are obstacles and challenges to providing technological solutions to medical problems, there are issues we can tackle with cutting edge technology. The problem of managing pill dosages and scheduling is one such problem, and the main goal of GlassRx is to adapt it to a new, user friendly platform: Google Glass.

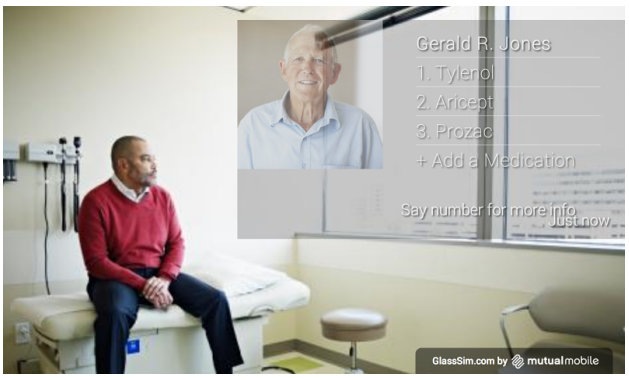
Many patients can have dozens of pills, some of which they need to take weekly, daily, twice a day, every other day, etc. Considering the difficulty of managing all of these pills without an application, our clients saw opportunity to solve this with a new technology that is easy to use and learn. This will be especially helpful for those who have issues remembering all the details and minutia of having a medication schedule, as well as those who might have trouble remembering if they've taken their pill or not. Anyone who needs to take medication on a regular basis can benefit from an easy to use app. Specifically, seniors typically have more medications and a more difficult time remembering all the different ones they need to take. GlassRx can help them integrate medications more readily into their lives.

First and foremost, GlassRx is a medication management application. As such, it will focus on maintaining the user's (potentially complex) medication schedule. This will be accomplished through implementation of medication schedule creation/modification, alerts and alarms which notify the user when he/she must take a medication, and barcode scanning of medication bottles. Because Glass applications are voice- and gesture-driven, GlassRx will allow for both voice acknowledgment of medication alerts and voice and gesture navigation through views. A similar application will also be implemented for a doctor to manage his or her patients' pill schedules, adding or modifying a prescription for them, and seeing potential conflicts, all while maintaining face to face contact with the patient.

GlassRx will be built on the Android platform using the Glass Development Kit. It will target API level 19 (Android KitKat 4.4.2). Additionally, a database of medications will be maintained by the Nursing School's IT team. The client has indicated that the team is aware of the project's development and will be prepared to provide a database with which GlassRx can interface with.

GUI Sketch





Very simplistic GUI: Mostly simple, list based screens. Navigation can be done by vocal command. A notification will appear when it is time to take pills, along with a visual reminder of what the pills look like. The GUI will look very similar for the doctor.