**Functional Specification of Doctor Scheduler**

Summary: This software is expected to allow doctors to post their daily/weekly work schedules and make changes in real time. It will also allow anyone else (e.g. patients) to check a doctor’s schedule and whereabouts from a mobile device.

This software consists of the following interfaces:

1. Doctor: A mobile application. We will call it Docapp.
2. Patient: A mobile application. We will call it Patapp.
3. Secretary: A browser app for Doctor or his/her secretary. We will call it Secapp.

*Docapp*: This mobile application will be used a doctor. It will let the doctor upload his/her schedule information. It will also let the doctor post his/her whereabouts in real time.

*Patapp:* This mobile application will be used by a patient. It will let the patient search for a doctor and then view the doctor’s most current schedule.

*Secapp*: This browser application will be used either by a doctor or his/her secretary. It will essentially do the same job as the Docapp.

**Specification of Docapp:**

Workflow:

1. ENTRY SCREEN
   1. Scenario 1: First usage
      1. Sign up screen. Multiple options to sign up/log in:
         1. Email + password (default)
         2. Facebook (requires user to sign in with Facebook account)
         3. Google (requires user to sign in with Google account – this is easily facilitated on an Android platform)
      2. Create profile
         1. Set profile picture (if logged in with Facebook or Google, then automatically set to Facebook or Google profile picture)
         2. Set profile full name
         3. Set email (if default sign-up, automatically set; if alternate sign up is used, required to enter)
         4. Set phone number (i.e. primary work contact)
         5. Set doctor details (degrees, experience, area of expertise, etc.)
   2. Scenario 2: Return usage
      1. Sign in screen. Option to save password
         1. Email + password (default)
         2. Facebook
         3. Google
2. Home screen
   1. Set current status/location
   2. Option to edit weekly schedule
   3. Modify today's current schedule

**Docapp Screens:**

To be done later (after finalizing the functionality)

**Specification of Patapp:**

Workflow:

1. HOME SCREEN
   1. My Doctors
   2. Add new Doctor
2. MY DOCTORS VIEW
   1. Simple list view of all the selected doctors
   2. Each doctor can be selected/expanded to show "DOCTOR VIEW" for that specific doctor
3. DOCTOR VIEW
   1. Shows current location/status
   2. Full week view
   3. Details view
   4. Contact view – directly links to <doctor>'s work phone, email, etc.
   5. Show all other details from <doctor>'s database file
4. ADD DOCTOR VIEW
   1. Access to public database, search algorithm by name, email, contact #, specialization, location, etc.

**Specification of Secapp:**