Mobile App for Doctors and Patients

Client

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Background

Ever forget to take a pill you were given? Did you know what to do (double the next dose, take this dose late)? Or if you have a question for your doctor, did you find it difficult to get ahold of them to ask them? Doctors have similar issues with following up with patients. Communication between medical staff and patients is complicated for many reasons: time, availability, privacy, etc. Hospitals routinely have problems with patients not coming in for follow-ups and not having the manpower to track such patients down. This leads to more sickness, more problems, and eventually the end of the world[*].

Project Goals and Requirements:

We are working with doctors at Albany Medical Center to attempt to solve some of these problems. We'd like your help during this Field Session to build a mobile app (using HTML5/Javascript to make it cross-platform) to address this issue. We want to create a medium to streamline the ability of doctors to deliver information to patients, and to help patients get the answers they need, and keep them informed on appointments, medicine, reminders, etc. All of this of course must be secure, so you'll learn some about that as well. Other things you'll learn about/use: mobile push notification and local notification architecture, using local storage and local caching for when the network is unavailable, syncing of local and remote databases, and other things pertinent to modern mobile app design. Let's save the world[*].

Paid internships are available after Field Session for continuing this work.

Skills/Experience for CSM Students:

- Cross-platform HTML5 mobile apps
- Apache Cordova
- Javascript/AJAX
- MVC Frameworks

[*] Possibly a slight exaggeration.