JOSH LEVY

dcwhitt@emory.edu

Required Skills:
(List skills needed) -
No Preference, Web (HTML / JS / CSS), Initial work has been proposed in flutter or react native

Preferred Team Communications:
Conference Call, Google Hangouts, We are local in Atlanta and may be able to meet in person!

Data Sources:
We have a large collection of clinical research survey responses that could be used from our clinic. In addition, through collaborations with a colleague at Vanderbilt we now have access to nearly 7000 responses.

Other Items:
Eastern time zone preferred

Daniel Whittingslow will be the principle point of contact since he is an MD/PhD student on GT's campus (working in Omer Inan's lab).

Team Info:
Developer. Allows one team of 4-6 members.

Additional Collaborators:
Daniel Whittingslow (MD/PhD Student & CS6440 Alum), Tyler Halle (ENT Resident)Brownsville; and (3) other subject matter experts.

MYNOZ – A CLINICAL SURVEY TOOL FOR ENTS

We are working to design an app/website for sending, obtaining, and storing clinical survey data. In our clinic (and many others), these surveys are done on paper, stored in a file, and hopefully one day collected and analyzed. It is our hope that by digitizing this process the whole system can become more efficient and streamlined. A large amount of focus will need to be given to the security requirements for transferring and storing this data. It is typically de-identified during the analysis stage of use; however, having individuals' responses to these surveys stored within their EMR's could also help improve their treatments!

PROJECT OBJECTIVES

1. Develop a cross-platform mobile app (ios, android) for use on mobile, tablet, and web that will allow patients to answer clinical survey questions (e.g. SNOT-22 survey)
2. Develop a secure back-end for the storage and collection of the survey responses. We have been in contact with Emory IT and could also look into integrating with their AWS setup.
3. Integrate into FIHR such that these responses can readily be read from each patient's EMR.
4. Provide a secure, anonymized portal for researchers to access the data.
5. Validate the use of the app vs paper surveys in an initial study.

SUCCESSFUL PROJECT

To be discussed…

Intellectual Property: Health Information and Exchange, Pop Health and Safety