

OpenMRS iOS Client Extensions

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Abstract

- Improvements for the current iOS Client:
 - Ability to view currently active visits
 - Ability to edit patient details, like name, birthdate, address, etc.
 - List of saved patients, with the ability to remove them from local storage
 - Reposition the activity indicators to provide a better user experience. (having it on the top bar sometimes not easily observed or noticeable.)
 - Automatic updating of saved patients (i.e. on every app launch with an internet connection)
 - Better patient view, i.e. with tabs to switch between patient info, vitals, visits.
 - Better app support & optimisations for the iPad
 - Implement Two-Way Synchronisation for the Client – currently we let user's to select patients for offline usage. But after the offline usage the updated info doesnt get synced with the server.
 - Integrate the code base with Travis CI.
- Implement [ODKClinic](#) Android App features in the iOS app.
 - Ability to Download Forms from the OpenMRS server.
 - Let the users to fill those forms in a Mobile friendly interface.
 - Upload forms back to the server. (Sync.)
 - The uploaded forms need to be viewable in OpenMRS server as [Encounters](#).

Extra Credit

- Integrate "instabug" in-app feedback/bug reporting system in the app
- Integrate "flurry" analytics system in the app.
- Handling of network errors
- New Activity indicators
- Timer for refreshing patient data when viewing
- Your suggestions on how to improve the app - new ideas / features are welcomed!

Project Champions

- [Unknown User \(yousefhamza\)](#)(IRC: yousefhamza)
- [Unknown User \(parkererway\)](#) (IRC: perway)
- [Unknown User \(harshadura\)](#) (IRC: harshadura)
- [Unknown User \(uzanysa\)](#) (IRC: uzanysa)
- [Burke Mamlin](#) (IRC: burke)

Next-steps for potential students, discuss ideas & ask questions here: [OpenMRS Talk: Pre-GSoC 2015 discussions - OpenMRS iOS Client Extensions](#)

Objectives

Improve the current functionality of the iOS client (v1.x) by fixing the current issues it has and by adding more features to it (ODKClinic alike features, 2-way Sync, etc).

Resources

- iOS Client main wiki: <https://wiki.openmrs.org/display/docs/OpenMRS+iOS+Client>
- ODKClinic
 - [Video on Completing OpenMRS Forms in ODK Collect](#)
 - Project wiki: <https://code.google.com/p/opendatakit/wiki/ODKClinic>
 - Related mailing list discussion: <https://groups.google.com/a/openmrs.org/forum/#!topic/dev/JeQ5uWCYTOM>
- GSoC 2015 proposal: [iOS Client Extensions Proposal](#)

Get familiar with:

- OpenMRS core system and its modules. (Fixing few Trunk introductory tickets would be Plus point in selection stage.): See for more on [Getting Started as a Developer](#)
- OpenMRS REST web services module and REST API usage: [REST Module](#), [REST Web Services API For Clients](#)
- iOS client's current code base over here: <https://github.com/Undo1/openmrs-contrib-ios-client>