

# 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

- [Yousef Hamza](#) (IRC: yousefhamza)
- [Parker Erway](#) (IRC: perway)
- [Harsha Siriwardena](#) (IRC: harshadura)
- [Ungku Zoe Ungku Fa'iz](#) (IRC: uzanyasa)
- [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>