

# StAR-2 project

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## I. OBJECTIVE

- 1) To update the progress of the Star-2 project.

## II. SANA MOBILE APPS

Sana mobile apps development progress is still in pending due to debugging issues which Timothy and Eric are currently working.

## III. OPENMRS MODULE

For last week and this week, I have been working mainly on the OpenMRS. The codes are shared between all three of us, i.e. John Prince (JP) and David Springer(DS). All the codes are updated, and stored into Master of Sourcetree of this project. Any changes will be done by branching is out from the master, make the changes, commit and push. After we are satisfied with the changes, then we will merge back into master. My first task, or exercise with OpenMRS this week is to create a form (.jsp) in OpenMRS page, which will send all the information about the participants as an attachment to my email inbox. For this task, I have listed that there are six steps need to follow. The first one is to add a new form in .jsp file. This will appear as a form in the webpage. Next, I need to create a controller .java file. This will be executed once the button in the website is clicked. Then, at the moduleApplicationContext file, I need to write a connection between the form and the controller. After that, at the messageproperties file, we need to add the title of the page of the form. Then, we also need to map the link of the form in AdminList.java. Finally, after build using Ant, the .omod file need to be uploaded into [openmrs001.uct.ac.za/openmrs/administration](http://openmrs001.uct.ac.za/openmrs/administration). This first task, which to email the list of the participants when clicked in the form page was successfully done. There is a method being created by DS stored in UsefulMethods.java where it loops all patient information and I used write text to file java using FileWriter to put them into .csv file. The next task is to upload a list of concepts and their description into repository and to ensure that it is uploaded, every line of the concepts must be send by email to me. For this task, it is pending due to error come up when sending email is requested. During these tasks, I have also learnt the structure of a java project. There are several times where I need to manually copy java classes due to errors. The main thing to focus is the controller, when user click any "do something" button in .jsp file. Sometimes the controller file could be very details and errors after built with Ant. I am still VPN into Cape Town network and use [openmrs001.uct.ac.za/openmrs](http://openmrs001.uct.ac.za/openmrs) test the module. As I am focusing more into the email and .jsp file, DS and JP are doing a lot of trial sending SMSs. I have also received confirmation from SA team that they have received those SMSs.

## IV. PREPARATION FOR SA AND MALAWI TRIAL

I have installed my windows-based laptop with Sourcetree, Eclipse Juno, Android Studio and related java files. Several tasks have been done using this machine now to ensure that it is working at the site. I will be leaving to SA and Malawi next Wednesday, 14 Sep 2016.

## V. CONCLUSION

For the past two weeks, some exercises and tasks have been done in OpenMRS. I am looking forward to implementing these SMS-assisted system in the trial soon.