

# Deliverable 2

Since Deliverable 1 we have switched Projects from ActivityInfo to Sakai which was a resource to help educators build websites for schools and courses. This original change was due to poor documentation of how to even build ActivityInfo and it also being an abandoned project as of 2017. Our work on Sakai developed much faster than ActivityInfo, but once we opened up its source code we discovered that it was again very unorganized with poor documentation (about 80+ directories in no discernible order). We attempted contacting the Sakai development team, but recieved no response, however we were able to contact another contributor, but he was unable to provide us with any information. Thus, bringing us to openMRS - a medical records storage app, we have had a much greater level of success with this project, only starting it 2 days ago, but we have already surpassed anything we have done with the other two projects. we were able to get the openMRS webapp up and running in the span of a few hours whereas the past projects took a couple of days worth of banging out heads against a wall to even build successfully.

## Test Plan

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### Testing Process

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The testing process will begin by testing openMRS methods via the terminal.

### Requirements Trace-ability

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- CANNOT be a getter or setter method (can be boolean) and does not take an object. preferably takes a string and outputs something
- isValid(String identifier) from  
api/src/main/java/org/openmrs/patient/impl/BaseHyphenatedIdentifierValidator  
this one is good but you have to go thru the LuhnIdentifierValidator.java because BHIV is abstract.

- `getCheckDigit(String undecoratedIdentifier)` this one is also good and I know it is a "get" but it does math using ASCII and Bowring gave me the go ahead to use this method. It is in `LuhnIdentifierValidator.java`
- `hasPrivilege(String privilege)` from `/api/src/main/java/org/openmrs/User.java` there may be more in this java file
- `hasPrivilege(String privilege)` from `/api/src/main/java/org/openmrs/Role.java`
- `removeProxyPrivilege(String privilege)` from `/api/src/main/java/org/openmrs/api/context/UserContext.java`

## Tested Items

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- test the `getPatientID()`: this method should return the correct integer identification number for the specific given patient.
- test the `getAllergyStatus()`: this method should return the allergy status of a patient, and is maintained by the supporting infrastructure.
- test the `setPatientID()`: this method should set the internal identifier for a specific patient in the medical database.
- test the `getFullName(Locale locale)`: this method should return the entire full name of the drug followed by the concept name of the drug.
- test the `setQuantity(Double quantity)`: this method should set the quantity for the drug order.

## Test Schedule

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Sept.28th - Oct.11th

- have the 5 original test cases completed, with at least another 10 being developed.

Oct.12th - Oct.26th

- have the last 10 test cases completed.

Oct. 29th

- have Deliverable #3 complete and ready to present to the class.

### **Test Recording Procedures**

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We plan to log the time, data, and outcome of each test. We plan on implementing a script which outputs the results of each test to a text file.

### **Hardware/Software Requirements**

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The app will require a personal computer that is capable of running a Unix OS, openMRS, Tomcat/Jetty, Maven, MYSQL(for testing only) and Eclipse.

### **Constraints**

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The system must be built using an opensource Unix operating system, and all test cases must be coded in Java. There is also a time constraint as there is only so much we can do in a college semester.