Project Requirement and Specifications

(AutoSMS Module)

Overview:

To send sms notification to patients when their lab report is archived into openmrs mysql database.

Dependencies:

- Openmrs database

- maven

- jdk (for web developers)

- spring

- hibernate

Execution steps:

1) Input your email and password

2) Input patient id, phone number and cheack enable/disable for that patient to receive notifications

3) Upload HL7 report to openMRS archive

4) HL7 trigger checks the database every 30 secs for new report.

5) HL7 trigger preceives and parses the new report, gathering patient information and date.

6) HL7 trigger searches the database for that patent id

7) HL7 trigger sends acquired data to SMS\_sender

8) SMS\_sender generates sms message based on template (patient name your lab report is ready) and sends this notification to the patient mentioned above

Actors: doctor/medical staff to input phone numbers for patients

Workflow diagram

Patient id and name and phone number ready

Updated emailNpass table

Updated patient\_phone table

Database archive