Open eclipse running 1.7 SE

Apache Tomcat 8.0

Dynamic web module version 3.1

Download openmrs-standalone-2.3.1 from the website

Create a new dynamic web project call openmrsMessage (Keep this name the same [important!!!])

Put all the following classes into src in the java resources of openmrsMessage

BCrypt.java GetMessage.java rsaKey.java

Contacts.java addContact.java sendMessage.java

Crypto.java login.java

DBRemoteRequests.java register.java

In the WebContent/WEB-INF/lib of openmrsMessage, put the following file

bks.jar json-simple-1.1.1.jar

commons-codec-1.10.jar mysql-connector-java-5.1.38-bin.jar

Create a new Java project call RMI

Add the following classes to the src of the project

BCrypt.java RMI\_Server.java

Crypto.java RMI\_\_NotifyListeners\_Interface.java

DBRemoteRequests.java RegisterUser.java

DBRequests.java RegisterUserForm.java

FakeDatabase.java RegisterUserResponse.java

LoginUserResponse.java User.java

MessageBlock.java UserContacts.java

MessageStore.java UserContactsResponse.java

Monitor.java database.java

RMI\_Client.java

Add the following folder to the java build path of the RMI

bks.jar json-simple-1.1.1.jar

commons-codec-1.10.jar mysql-connector-java-5.1.38-bin.jar

In the openmrs-standalone-2.3.1, run the openmrs-standalone.jar

(In the RMI, make sure that database.java contain the correct info)

String userName

String password

String serverName = "127.0.0.1";

String portNumber

String dbName = "openmrs";

Make sure the portNumber is the same as show in the openmrs-standalone.jar

Make sure the password and userName is the same as in the openmrs-standalone-runtime.properties in the openmrs-standalone-2.3.1

Otherwise the database is not going to connect.

Run the RMI\_Server.java in RMI in the eclipse

Last run the openmrsMessage as dynamic web

Make sure all these are running in the same computer

For android, use the apk to install on the phone