**Mobile Application:**

**RestAPI:**

**Code/PrismaRestApi/src** : We have written the basic User Data Object and User java code. As per the need we may add more methods to these codes. Similarly, the code to connect to the Cassandra database is in restapidb folder.To run this you may install a tomcat server and may configure in the web.xml file inside webContent folder.

Tomcat Server Starting Code : ::::::

/usr/local/Cellar/tomcat/8.0.33/bin/catalina run

**Database:**

I was using my local database for storing user’s login and registration information.

Database changed

mysql> show tables;

+------------------+

| Tables\_in\_shands |

+------------------+

| users |

+------------------+

1 row in set (0.00 sec)

Apart from this all other information is supposed to be stored at deepc4 server at S3 lab. So the mobile will use rest API to connect to that remote database. For the local database I was using my local web server and following PHP scripts currently inside iOS\_php scripts folder.

1. UserRegister.php : script to register new users other methods can be added as required.
2. MySQLDao.php: database object to interact and retrieve data
3. Conn.php : to establish connection to the database

Inside the python script Cassandra folder, I was trying to write the code to create and load data to our remote database. It is incomplete as of now.

You may install a local Cassandra which is open source then may connect to the remote one. We are using datastax driver for writing the API in java.

[**datastax/java-driver GitHub**](https://github.com/datastax/java-driver)

**cassandra path in my mac**

cd /usr/local/Cellar/cassandra/3.7/bin

.cqlsh

./cqlsh deepc04.acis.ufl.edu --cqlversion=3.4.0

**Mobile App :**

You may directly load folder Interface\_DrAzhra in Xcode and run it. It has a binary for ResearchKit for which you might need to configure and install all the dependencies(pods). It has following view controllers and their function is very much as their name suggests.

1. LoginViewController
2. MainViewController
3. RegisterViewController
4. SubmitViewController
5. TableViewController
6. WelcomeViewController

Apart from these I was using WebKit tool for the survey where you can ask questions and take consent from the users.