If interested in developing an Android Client for the new Quizalator Clicker, here are the specs:

Your Mobile User Agent should access the following URLs using the HTTP-based API listed below.

**API: validateUserGetPin.php**

POST: user=xyz&pass=abc

returns JSON  
{"resultCode":0, "pin":"xyz1"}

resultCode :
  0 = ok
  1 = bad usrid/password
  2 = already logged in, now logged out, login if desired

pin :
  xxxx = pin for next submit:
  (valid pin if resultCode==0, not valid otherwise)

**API: getCurrentQuizInfoAsJson.php**

POST: no parms required/expected

returns JSON
{"quizname":"quiz1", "qidx":0, "isOpen":0, "nAns":4}

quizname : string name of quiz
qidx      : int question index
isOpen    : int 0=false  1=true (is open)
nAns      : int - number of answers for qidx (assumes MultipleChoice)

**API: putAnsGetResultJson.php**

POST: pin=pinxx&quiz=qname&qidx=qxx&ans=ansidx

returns JSON:  
{"resultCode":0, "pin":"123xy"}

```
# resultCode constants
$OKCODE          = 0;
$QUESTION_CLOSED = 1;
$DUP_SUBMISSION  = 2;
$BAD_PIN         = 4;
$BAD_QUIZNAME    = 8;  // requested quiz not current quiz
```
Quizalator Testbed
To test your UserAgent, make use of the Quizalator Testbed. The Testbed is set up so that you can launch a mock quiz that will automatically cycle thru the opening and closing of questions in a quiz or survey. forcan then be used to test your MobileUserAgent.

You can launch a quiz/survey session via the QuizProf API. The API allows you to:

- add your own userids and passwords
- launch your quiz and optionally
  - override the default 15 second time interval between questions
  - provide a name for the quiz

The default quiz consists of three multiple choice question with 4,2, and 3 choices

There is always a default user with user/user as the userid and password.

API for the Professor -----------------------------
A professor can:

- add users – userid, password and name
- start a quiz and set the automatic tempo of the quiz

The API uses GET or POST as the delivery method for your parameters.

Add your own user to the system
profAddUserPassword?user=uuxyz&password=zx101&name=harry

If the user currently exists, the password and name will be changed.

Note also that all users of the testbed have this capability.

JSON will return one of the following values in responseCode as in:

{"resultCode":0}

OKCODE = 0;
BAD_USER = 1;
BAD_PASS = 2;
BAD_USERNAME = 3;
UNAUTH_REQUEST = 4;

The TestBed will always have default user with user/user as username and password.

**Start the default Quiz with your own quizname**

`profStartQuiz?quizname=joequiz1&pacetime=20`

The value of *quizname* param defines the quizname that will be delivered to the client and *pacetime* in milliseconds is the amount of time between questions. The default if the parameter is not specified is 10 seconds. (pausetime=10000)

Will return either a JSON string of the current Quiz State

```
{"quizname":"qnamezz","qidx":qidxzz,"isOpen":openzz,"nAns":anszz}
```

where isOpen =0 means closed and =1 means OPEN

OR will begin the quiz in timed mode and return when done

**get_CurrentQuizInfoAsJson.php**

get_CurrentQuizInfoAsJson.php to retrieve current state of quiz as

```
{"quizname":"qnamezz","qidx":qidxzz,"isOpen":openzz,"nAns":anszz}
```