Web Service Implementation Details : Method-I

Brainmeasures provide an unique Numeric ID to all its client called **ProviderID** and a security code for authorized acess to API.

This **ProviderID** and **SecurityCode** will be used to identify and authorize any client request.

BmApiUrl : URL of Brainmeasures API for client every client is provided with separate URL to access the API e.g.

http://client.brainmeasures.com/testsi.asmx

SOAP

http://client.brainmeasures.com/testsi.asmx?soap

WSDL

http://client.brainmeasures.com/testsi.asmx?wsdl

Once client get its **BmApiUrl,** it can be consumed in any environments like .net, php etc its

Common API Methods:

1. To access All the Tests allotted:

GetAllTests(**ProviderID**) will give list of all Tests allotted to Client with their respective TestID.

Here **TestID** is numeric ID of the test and each test at Brainmeasures has unique TestID

2. To get details of a particular Test:

GetTestByTestID(**TestID**)

e.g. GetTestByTestID(63) will give u detail of **TestID** =63 if allotted to client

 its noOfQuestion, time allowed, passing% etc.

e.g. for a client like

NoOfQuestions=20

PassingPercentage=50

TestDuration=20 minutes

3. To access Syllabus/Topics in a particular Test :

GetTopicByTestId(**TestID**)

e.g. GetTopicByTestId(63) **gives you list of topics in TestID=63**

4. To start a new Test:

This is the main method of Integration. You need to call this whenever you want to start a new test or restart a Test left in between uncompleted.

It has two steps to start test.

STEP-1 Call this method

int Start_Remote_TestBM (

Int ProviderUserTestID, → 0 for new test THIS UNIQUELY IDENTIFY its usertestID at BM

string Ticket, → Any Ref ID which can identify this UserTest uniquely at your End

string securityCode, → Security Code provided to you always same

Int ProviderId, →ProviderID provided to client, always same

int TestId, → TestId of the test (ID from Brainmeasures Test List)

string returnURL, → Full URL where you want to receive the result on completion of Test

DateTime ticketTimeStamp,→ DateTime when test string UserFName,

string UserLName, →Name of user taking test may be just A or B etc

string email,→ email may be simply a@b.com

ref string strData→>>> This will return you a string

)

e.g. xx=StartTestNew(0,YourIDTicket, "SecurityCode", **ProviderID**, 63,
"http://UrbanPro.com/yourresultpage.php","2013/09/13 10:50:25", "R", "T", "rajeev.awg@gmail.com",
0,0, strData)

Note: *to restart any existing test which was left in between use same method StartNewTestBm the
only change is that 1st parameter ProviderUserTestID should have the value that was returned
by Brainmeasures while test started first time. For new test it will always be 0.*

The above method will return you two things **xx** and **strData**:

1. **xx: - >** will give you Unique ID of the test at brainmeasures.com. You must store this ID for
    any further integration or information with brainmeasures.

2. **strData :- >** store it this be used in Step 2 of starting Test

STEP 2

This second step always need 1st step to be completed and the stored value **strData** then

You need to redirect the page to your sub-domain followed by **strData**

e.g. if your sub-domain is http://exam.clientsite.com then you need to redirect the page to

response.redirect(http://exam.clientsite.com/ + **strData**)

this will start your test with URL in browser as something like in below example:

exam.clientsite.com/PrepareTest.aspx?ProviderUserTestID==3000123

Here user will continue giving test. When user Finish test you will automatically redirected to the page which you want as **returnURL** in above method e.g.
http://clientsite.com/yourresultpage.php?resutpass=1&TotalQuestions ....etc

You can retrieve the result at this page and save it at your end and show a completion Message etc.