**Doc Version – 0.7**

**API**

1.

**Start Transaction/Event/Test:**

**http://collegelabs.co/clabs/api/start\_test.jsp**

dsrefkey

testid

username

**Response:**

success=testsessionid

or

error=ERRORMESSAGE

Example:

***http://collegelabs.co/clabs/api/start\_test.jsp?dsrefkey="+DSREFKEY+"&testid="+TESTID+"&username="+USERNAME***

**Use the testsessionid for subsequent requests**

2.

**Submit Question:**

**http://collegelabs.co/clabs/api/submit\_question\_by\_tid.jsp**

dsrefkey

**testsessionid – That is returned in the start\_test request**

questionid

answer (base64 encoded)

**Response:**

success=SUCCESSMESSAGE

or

error=ERRORMESSAGE

Example:

[***http://collegelabs.co/clabs/api/submit\_question\_by\_tid.jsp***](http://collegelabs.co/clabs/api/submit_question_by_tid.jsp)

***POST DATA***

***dsrefkey="+DSREFKEY***

***testsessionid="+TESTSESSIONID***

***questionid="+QUESTIONID***

***answer="+BASE64ENCODEDANSWER;***

3.

**Results:**

Get results for a Test ID & User Name

**http://collegelabs.co/clabs/api/result\_by\_tid.jsp**

dsrefkey

testid

username

Response:

Result XML

---------------------------

*<results>*

*<data>*

*<title/>*

*<questionid/>*

*<testcaseid id=”” score=”” />*

*<score/>*

*<date/>*

*</data>*

*</results>*

---------------------------

**Example:**

***http://collegelabs.co/clabs/api/submit\_question\_by\_tid.jsp?dsrefkey="+DSREFKEY+"&transactionid="+TRANSACTIONID***

---------------------------

*<results>*

*<data>*

*<title>Find Lcm</title>*

*<questionid>298712</questionid>*

*<testcaseid id=”1” score=”2” />*

*<testcaseid id=”2” score=”0” />*

*<testcaseid id=”3” score=”1” />*

*<score>80</score>*

*<date>2011-11-23</date>*

*</data>*

*<data>*

*<title>Find Gcd</title>*

*<questionid >348712</questionid>*

*<testcaseid id=”1” score=”0” />*

*<testcaseid id=”2” score=”0” />*

*<testcaseid id=”3” score=”1” />*

*<score>80</score>*

*<date>2011-11-23</date>*

*</data>*

*</results>*

---------------------------

**(Next step adding a security request before querying)**

**INTEGRATION**

1. **SCORM XML**

Attached – imsmanifest.xml

Sample viewer we have created - <http://122.166.56.19/intg/scorm/ReloadContentPreview.htm>

1. **Main Page**

<http://collegelabs.co/clabs/nld/schedule.jsp>

1. **Links**

To link to each page use this kind of link

http://collegelabs.co/clabs/nld/cpp/contents/algo\_and\_prog/datastructure.jsp?dsrefkey="+DSREFKEY+"&userid="+USERHANDLE;

(The imsmanifest.xml has the list of links)

1. **How to launch a test**

String url1 = "http://collegelabs.co/clabs/api/sign\_on\_getkey.jsp?dsrefkey="+DSREFKEY+"&userid="+USERHANDLE;

String url2 = "http://collegelabs.co/clabs/api/sign\_on\_validate.jsp?dsrefkey="+ DSREFKEY +"&eventid="+EVENTID+"&skey="+SKEY;

DSREFKEY=partnername

USERHANDLE – can be any alphanumeric string

EVENTID – List of Event IDs are provided in the doc

1. **Event IDs**

Java :

|  |  |  |
| --- | --- | --- |
| Week  | Test ID | Test Display name |
| 1 | 183 | Java Basics part1 |
| 2 | 203 | Java Basics Part2 |
| 3 | 204 | Java Basics Part3 |
| 4 | 205 | Java Datastructure |
| 5 | 206 | Java Algorithm |

CPP:

|  |  |  |
| --- | --- | --- |
| Week  | Test ID | Test Display name |
| 1 | 184 | CPP Basics part1 |
| 2 | 198 | CPP Basics part2 |
| 3 | 199 | CPP Functions |
| 4 | 200 | CPP Polymorphism |
| 5 | 201 | CPP Datastructure |
| 6 | 202 | CPP Algorithms |

1. **Results**
2. To get the results of an event
3. First get skey

String url1 = "http://collegelabs.co/clabs/api/getskey.jsp?dsrefkey="+DSREFKEY

If successful returns this string

*success=user authenticated successfully;genkey=* SKEY

1. Pass dsrefkey, skey and eventide to get the results of the event

String url2 = "http://collegelabs.co/clabs/api/get\_event\_results.jsp?dsrefkey="+DSREFKEY+"&eventid="+EVENTID+"&skey="+SKEY

1. The results will be in the XML format mentioned below

 ---------------------------

*<results>*

*<data>*

*<testid>184</testid>*

*<testname>Java Test</testname>*

*<title>Find Lcm</title>*

*<username>vijay</username>*

*<score>80</score>*

*<date>2011-11-23</date>*

*</data>*

*</results>*

 ---------------------------

1. To get the results of an user
2. First get skey

String url1 = "http://collegelabs.co/clabs/api/getskey.jsp?dsrefkey="+DSREFKEY

If successful returns this string

*success=user authenticated successfully;genkey=* SKEY

1. Pass dsrefkey, skey and eventide to get the results of the event

String url2 = "http://collegelabs.co/clabs/api/get\_user\_results.jsp?dsrefkey="+DSREFKEY+"&username="+USERNAME+"&skey="+SKEY

1. The results will be in the XML format mentioned below

 ---------------------------

*<results>*

*<data>*

*<testid>184</testid>*

*<testname>Java Test</testname>*

*<title>Find Lcm</title>*

*<username>vijay</username>*

*<score>80</score>*

*<date>2011-11-23</date>*

*</data>*

*</results>*

 ---------------------------