**Document : R&D API Details**

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**A. Introduction**

1. API should have provision to let user login and authenticate the user to access metis application and its relevant data.
2. API should have provision to retrieve project details based on project code entered of project master.
3. API should have a provision to retrieve item stock based on item code entered for Experiment (Formulation) transaction.
4. API should have a provision to save data of Experiment Composition and generate Experiment No.

**Note: System is only accessible through secure connection(https)**

**Pre-Requisites**

**Supporting Jars**

1. activation.jar
2. asm-3.1.jar
3. com.fasterxml.jackson.core.jar
4. com.fasterxml.jackson.databind.jar
5. commons-codec-1.5-sources.jar
6. commons-codec-1.5.jar
7. cors-filter-2.4.jar
8. jackson-annotations-2.1.2.jar
9. jackson-lgpl-0.9.4.jar
10. java-property-utils-1.9.1.jar
11. jaxb-api-2.1.jar
12. jaxb-impl-2.1.12.jar
13. jersey-client-1.3.jar
14. jersey-core-1.3.jar
15. jersey-json-1.3.jar
16. jersey-multipart-1.3.jar
17. jersey-server-1.3.jar
18. jettison-1.3.jar
19. jjwt-0.5.jar
20. jsr311-api-1.1.jar
21. mail-1.4.jar
22. mimepull-1.3.jar
23. stax-api-1.0.1.jar

**External Web Service Jar**

1. ibase-extService16-25-0-1

**Deployment Procedure**

1. Deploy supporting jars in <%JBOSS\_HOME%>\server\default\lib
2. Deploy external web service jar in <%JBOSS\_HOME%>\server\default\deploy\ibase.ear\ibase.war\WEB-INF\lib
3. Also deploy external web service jar in <%JBOSS\_HOME%>\server\default\deploy\ibase.ear and make entry accordingly in META-INF/application.xml
4. Make the following entry in web.xml,

<servlet-name>jersey-serlvet</servlet-name>

<servlet-class>com.sun.jersey.spi.container.servlet.ServletContainer</servlet-class>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>jersey-serlvet</servlet-name>

<url-pattern>/rest/\*</url-pattern>

</servlet-mapping>

**Note: Above mentioned jars should be deployed on same jboss server where R&D Module related components is already deployed and working.**

1. User Login (/login)

**R&D API DETAILS**

1. Get Data for Project Code (/getData)
2. Get Data for Item Code (/performItemChange)
3. Validate & Save Data.

**User Login**

**1. User Login: (/login):**

**Purpose:** It is use to make user login in an application and authenticate the user.

**Method Name**: authenticateUser()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| user\_id | Mandatory |  |
| password | Mandatory |  |
| isPwdEncrypt | Mandatory | Flag for password is encrypted or not  true/false |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/login?USER\_CODE=<username>&PASSWORD=<password>&IS\_PWD\_ENCRYPT=<isPwdEncrypt>&DATA\_FORMAT=<data\_format> |
| Response | **FALSE** : Account Locked / Employee has resigned / Not an active user. **TRUE** : token\_id – (Return Token Id. This Token will be used for requesting further API calls for validating user) |
| Example | **USER\_CODE: BASE PASSWORD: \*\*\*\*** IS\_PWD\_ENCRYPT: false DATA\_FOMAT: XML |
| Output | **XML** <Response><results><GRADE>174</GRADE><CADRE>MGR</CADRE><REPORT\_TO>I99979</REPORT\_TO><PAY\_SITE>TA821</PAY\_SITE><HOD\_EMAIL>tajuddin.mahadi@baseinformation.com</HOD\_EMAIL><ALTER\_CODE/><TOKEN\_ID>BASE:4B36FB1C-0E78-4864-8A04-9</TOKEN\_ID><REPORT\_TO\_NAME>HARISH DARJI</REPORT\_TO\_NAME><EMP\_NAME>ASHISH PRAFUL MEHTA</EMP\_NAME><CCTR\_CODE\_\_SAL>H079</CCTR\_CODE\_\_SAL><EMP\_ID>E08135 </EMP\_ID><EMP\_CODE\_\_HOD>I99982</EMP\_CODE\_\_HOD><DESIGNATION>ASST MGR-MIS</DESIGNATION><HOD\_NAME>K V RAJAN</HOD\_NAME><WORK\_SITE>TA821</WORK\_SITE><EMP\_SITE>TA821</EMP\_SITE><EMAIL\_ID\_OFF>tajuddin.mahadi@baseinformation.com</EMAIL\_ID\_OFF><REPORT\_TO\_EMAIL>tajuddin.mahadi@baseinformation.com</REPORT\_TO\_EMAIL></results><status>success</status></Response>  **JSON** {"Response":{"results":"{\"GRADE\":\"174\",\"CADRE\":\"MGR\",\"REPORT\_TO\":\"I99979\",\"PAY\_SITE\":\"TA821\",\"HOD\_EMAIL\":\"tajuddin.mahadi@baseinformation.com\",\"ALTER\_CODE\":\"\",\"TOKEN\_ID\":\"BASE:9695B984-0EA6-4166-BC08-3\",\"REPORT\_TO\_NAME\":\"HARISH DARJI\",\"EMP\_NAME\":\"ASHISH PRAFUL MEHTA\",\"CCTR\_CODE\_\_SAL\":\"H079\",\"EMP\_ID\":\"E08135 \",\"EMP\_CODE\_\_HOD\":\"I99982\",\"DESIGNATION\":\"ASST MGR-MIS\",\"HOD\_NAME\":\"K V RAJAN\",\"WORK\_SITE\":\"TA821\",\"EMP\_SITE\":\"TA821\",\"EMAIL\_ID\_OFF\":\"tajuddin.mahadi@baseinformation.com\",\"REPORT\_TO\_EMAIL\":\"tajuddin.mahadi@baseinformation.com\"}","status":"success"}} |

**2. Get XML Data**: (/**getData**)

**Get Data for Project Code**

**Purpose:** This API is used to fetch the data of a transaction.

**Method Name:** getData()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| token\_id | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| refId | Mandatory | Reference ID for getting data (Here reference ID is nothing but the project code of Project Master) |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/getData?OBJ\_NAME=<objName>&REF\_ID=<refId>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Example:**

|  |  |
| --- | --- |
| **PARAMETERS** | **VALUES** |
| TOKEN\_ID | <TOKEN\_ID> |
| OBJ\_NAME | project\_rnd |
| **REF\_ID** | **617PJ10002** |
| DATA\_FORMAT | XML/JSON |
| Remarks | Note: In this example, we are passing project code as ref\_id |
| OUTPUT | |
| **XML:** <Response><results><DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <Detail1 dbID="617PJ10002" domID="1" objContext="1" objName="project\_rnd">  <attribute pkNames="proj\_code:" selected="N" status="O" updateFlag="N"/>  <proj\_code><![CDATA[617PJ10002]]></proj\_code>  <proj\_code\_\_parent><![CDATA[PJ0001 ]]></proj\_code\_\_parent>  <tran\_id\_\_pif/>  <pif\_date/>  <descr><![CDATA[WARE HOUSE-150615]]></descr>  <det\_descr><![CDATA[TEST]]></det\_descr>  <site\_code><![CDATA[TA387]]></site\_code>  <complexity/>  <proj\_type><![CDATA[1]]></proj\_type>  <proj\_status><![CDATA[A]]></proj\_status>  <emp\_code\_\_cord/>  <team\_code><![CDATA[51600 ]]></team\_code>  <item\_code><![CDATA[P001 ]]></item\_code>  <quantity><![CDATA[48]]></quantity>  <unit><![CDATA[07T]]></unit>  <dept\_code><![CDATA[PR01 ]]></dept\_code>  <market\_code/>  <allow\_expr/>  <proj\_tmplt/>  <prod\_category/>  <prod\_type/>  <stat\_remarks/>  <appr\_date/>  <start\_date><![CDATA[15/06/15]]></start\_date>  <start\_date\_\_actual/>  <exp\_end\_date><![CDATA[22/06/15]]></exp\_end\_date>  <ext\_end\_date><![CDATA[14/12/15]]></ext\_end\_date>  <end\_date><![CDATA[14/12/15]]></end\_date>  <tot\_time\_reqd/>  <unit\_time/>  <tol\_comp\_time/>  <curr\_code/>  <approx\_cost><![CDATA[10]]></approx\_cost>  <exch\_rate/>  <acct\_code><![CDATA[0708 ]]></acct\_code>  <cctr\_code><![CDATA[001 ]]></cctr\_code>  <terminated\_reminder/>  <suspended\_reminder/>  <resumed\_reminder/>  <ind\_no/>  <chg\_user><![CDATA[I99993 ]]></chg\_user>  <chg\_term><![CDATA[SYSTEM ]]></chg\_term>  <chg\_date><![CDATA[16/06/15]]></chg\_date>  <accounts\_descr><![CDATA[IBCA - 383- SILIGURI WAREHOUSE]]></accounts\_descr>  <site\_descr><![CDATA[TARO PHARMACEUTICALS, USA, CRANBURY, NJ]]></site\_descr>  <item\_descr><![CDATA[DUMMY ITEM]]></item\_descr>  <department\_descr><![CDATA[PROJECTS]]></department\_descr>  <proj\_team\_descr/>  <costctr\_descr/>  <market\_descr/>  <complexity\_descr/>  <uom\_descr><![CDATA[07 TABLETS]]></uom\_descr>  <proj\_type\_descr/>  <template\_descr/>  <no\_reschedule/>  <extended\_reminder/>  <emp\_code\_\_adm/>  <role\_code\_\_adm/>  <employee\_name><![CDATA[ ]]></employee\_name>  <admin\_name/>  <critical\_path/>  <cp\_reminder/>  <task\_prior\_intimate><![CDATA[0]]></task\_prior\_intimate>  <tot\_comp\_time/>  <priority/>  </Detail1>  </Header0>  </group0>  </DocumentRoot></results><status>success</status></Response>  **JSON** : {"Response":{"results":"{\"DocumentRoot\":{\"description\":\"Datawindow Root\",\"group0\":{\"description\":\"Group0 description\",\"Header0\":{\"description\":\"Header0 members\",\"Detail1\":{\"attrib\":{\"@dbID\":\"617PJ10002\",\"@domID\":\"1\",\"@objContext\":\"1\",\"@objName\":\"project\_rnd\"},\"attribute\":{\"attrib\":{\"@pkNames\":\"proj\_code:\",\"@selected\":\"N\",\"@status\":\"O\",\"@updateFlag\":\"N\"}},\"proj\_code\":\"617PJ10002\",\"proj\_code\_\_parent\":\"PJ0001 \",\"descr\":\"WARE HOUSE-150615\",\"det\_descr\":\"TEST\",\"site\_code\":\"TA387\",\"proj\_type\":\"1\",\"proj\_status\":\"A\",\"team\_code\":\"51600 \",\"item\_code\":\"P001 \",\"quantity\":\"48\",\"unit\":\"07T\",\"dept\_code\":\"PR01 \",\"start\_date\":\"15/06/15\",\"exp\_end\_date\":\"22/06/15\",\"ext\_end\_date\":\"14/12/15\",\"end\_date\":\"14/12/15\",\"approx\_cost\":\"10\",\"acct\_code\":\"0708 \",\"cctr\_code\":\"001 \",\"chg\_user\":\"I99993 \",\"chg\_term\":\"SYSTEM \",\"chg\_date\":\"16/06/15\",\"accounts\_descr\":\"IBCA - 383- SILIGURI WAREHOUSE\",\"site\_descr\":\"TARO PHARMACEUTICALS, USA, CRANBURY, NJ\",\"item\_descr\":\"DUMMY ITEM\",\"department\_descr\":\"PROJECTS\",\"uom\_descr\":\"07 TABLETS\",\"employee\_name\":\" \",\"task\_prior\_intimate\":\"0\"}}}}}","status":"success"}} | |

**Column Mapping:**

|  |
| --- |
| Project Code : proj\_code |
| Project Name : descr |
| Project Information Number: tran\_id\_\_pif |
| Unit : unit |
| Market Code : market\_code |
| Market Descr : market\_descr |

**3. Get Data for Item Code**: (/**performItemChange**)

**Get Data for Item Code**

**Purpose:** This API is used to fetch the data and description on calling item change event.

**Method Name:** getItemChange()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| TOKEN\_ID | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| TRANS\_DOM | Mandatory | transaction data (Item change of Detail1) |
| DETAIL\_DOM | Mandatory | detail Data (Item change of Detail 2) |
| DOM\_ID | Mandatory | DomId : (Detail1 → 1) (Detail2 → Number of a row) |
| DATA\_FORMAT | Mandatory | Format of the data in which the data string is fetched or inserted |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/performItemChange?OBJ\_NAME=<objName>&TRANS\_DOM=<transDom>&DETAIL\_DOM=<argValues>&DOM\_ID=<domId>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Itemchange on item\_code field**

|  |  |
| --- | --- |
| XML EXAMPLE (Detail3) | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| TRANS\_DOM | **xml:** <?xml version='1.0' encoding='utf-8'?> <Root>  <header>  <objName><![CDATA[rnd\_expr]]></objName>  <pageContext><![CDATA[2]]></pageContext>  <objContext><![CDATA[3]]></objContext>  <editFlag><![CDATA[A]]></editFlag>  <focusedColumn><![CDATA[item\_code]]></focusedColumn>  <elementName><![CDATA[false]]></elementName>  <keyValue><![CDATA[1]]></keyValue>  <taxKeyValue><![CDATA[1]]></taxKeyValue>  <saveLevel><![CDATA[0]]></saveLevel>  <forcedSave><![CDATA[false]]></forcedSave>  <taxInFocus><![CDATA[false]]></taxInFocus>  </header> </Root> |
| DETAIL\_DOM | **xml:** <DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <objName><![CDATA[rnd\_expr]]></objName>  <pageContext><![CDATA[2]]></pageContext>  <objContext><![CDATA[3]]></objContext>  <editFlag><![CDATA[A]]></editFlag>  <focusedColumn><![CDATA[item\_code]]></focusedColumn>  <elementName><![CDATA[false]]></elementName>  <keyValue><![CDATA[1]]></keyValue>  <taxKeyValue><![CDATA[1]]></taxKeyValue>  <saveLevel><![CDATA[0]]></saveLevel>  <forcedSave><![CDATA[false]]></forcedSave>  <taxInFocus><![CDATA[false]]></taxInFocus>  <Detail1 dbID="" domID="1" objContext="1" objName="rnd\_expr"><expr\_type><![CDATA[FOR]]></ expr\_type>  </Detail1>  <Detail2 dbID="" domID="1" objContext="2" objName="rnd\_expr">  </Detail2>  <Detail3 dbID="" domID="1" objContext="3" objName="rnd\_expr">  <attribute pkNames="" selected="Y" status="N" updateFlag="A" />  **<item\_code><![CDATA[0011]]></item\_code>**  <expr\_type><![CDATA[FOR]]></expr\_type>   </Detail3>  </Header0>  </group0> </DocumentRoot> |
| DOM\_ID | 1 |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | XML |
| Output | <Response><results><Root>  <header>  <editFlag>A</editFlag>  </header>  <Detail3 domID="1">  <molicular\_wt protect="0">0.0</molicular\_wt><wt\_per\_ml protect="0">0</wt\_per\_ml><item\_descr><![CDATA[FERTIGYN 5000IU 1 AMP]]></item\_descr><unit\_\_alt>A01</unit\_\_alt>  <qty\_per\_unit protect="0">0</qty\_per\_unit>  <expr\_ref\_no protect="1"/>  <expr\_line\_no protect="1"/>  <unit>A01</unit>  <item\_descr><![CDATA[FERTIGYN 5000IU 1 AMP]]></item\_descr><conv\_\_qty\_\_alt>1</conv\_\_qty\_\_alt>  <item\_spec/>  <item\_source/>  <rate>0</rate>  </Detail3>  </Root></results><status>success</status></Response> |

|  |  |
| --- | --- |
| JSON EXAMPLE (Detail3) | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| TRANS\_DOM | {"Root":{"header":{"objName":"rnd\_expr","pageContext":"2","objContext":"3","focusedColumn":"item\_code","elementName":"false","keyValue":"1","taxKeyValue":"1","saveLevel":"0","forcedSave":"false","taxInFocus":"false"}}} |
| DETAIL\_DOM | {"DocumentRoot":{"description":"Datawindow Root","group0":{"description":"Group0 description","Header0":{"description":"Header0 members","objName":"rnd\_expr","pageContext":"2","objContext":"3","focusedColumn":"item\_code","elementName":"false","keyValue":"1","taxKeyValue":"1","saveLevel":"0","forcedSave":"false","taxInFocus":"false","Detail1":{"attrib":{"@dbID":"","@domID":"1","@objContext":"1","@objName":"rnd\_expr"},"expr\_type":"FOR"},"Detail2":{"attrib":{"@dbID":"","@domID":"1","@objContext":"2","@objName":"rnd\_expr"}},"Detail3":{"attrib":{"@dbID":"","@domID":"1","@objContext":"3","@objName":"rnd\_expr"},"attribute":{"attrib":{"@pkNames":"","@selected":"Y","@status":"N","@updateFlag":"A"}},**"item\_code":"0011"**,"expr\_type":"FOR"}}}}} |
| DOM\_ID | 1 |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | JSON |
| Output | {"Response":{"results":"{\"Root\":{\"header\":{\"editFlag\":\"null\"},\"Detail3\":{\"attrib\":{\"@domID\":\"1\"},\"molicular\_wt\":\"0.0\",\"wt\_per\_ml\":\"0\",\"item\_descr\":[\"FERTIGYN 5000IU 1 AMP\",\"FERTIGYN 5000IU 1 AMP\"],\"unit\_\_alt\":\"A01\",\"qty\_per\_unit\":\"0\",\"expr\_ref\_no\":{\"attrib\":{\"@protect\":\"1\"}},\"expr\_line\_no\":{\"attrib\":{\"@protect\":\"1\"}},\"unit\":\"A01\",\"conv\_\_qty\_\_alt\":\"1\",\"rate\":\"0\"}}}","status":"success"}} |

**Column Mapping**

|  |  |
| --- | --- |
| **Label Name** | **Column Name** |
| Quantity | quantity |
| Ingredient | item\_descr |
| Item Code | item\_code |
| Item Specification | item\_spec |
| AR. No./Lot No | lot\_no |
| Retest/ Expiry Date |  |
| Quantity Per Unit | qty\_per\_unit |
| Standard Quantity | quantity\_\_alt |
| Unit | unit |
| Overages | over\_perc |
| Actual Quantity | issue\_qty |
| Calculation Type | calc\_type |

**4. Validate & Save Data**

**Purpose:** This API is used to sava data in add edit mode.

**Method Name:** callSyatemAction()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| TOKEN\_ID | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| INPUT\_DATA | Mandatory | Transaction data |
| ACTION | Mandatory | Action to perform ('A','E')  A-Add and E-Edit |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://[<IP>:<PORT\_NO>](http://192.168.0.47:9092/E12ExtService/ibase/E12ExtService/getExtServiceData?dataFor=LoginDetails&userCode)/ibase/rest/E12ExtService/callSystemAction?ACTION=<action>&OBJ\_NAME=<objName>&INPUT\_STR=<inputString>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Validate and save**

|  |  |
| --- | --- |
| XML EXAMPLE | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| ACTION | **A** |
| INPUT\_STR | **xml:**  <DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <objName><![CDATA[rnd\_expr]]></objName>  <pageContext><![CDATA[2]]></pageContext>  <objContext><![CDATA[3]]></objContext>  <editFlag><![CDATA[A]]></editFlag>  <focusedColumn><![CDATA[]]></focusedColumn>  <action><![CDATA[SAVE]]></action>  <elementName><![CDATA[]]></elementName>  <keyValue><![CDATA[1]]></keyValue>  <taxKeyValue><![CDATA[]]></taxKeyValue>  <saveLevel><![CDATA[1]]></saveLevel>  <forcedSave><![CDATA[false]]></forcedSave>  <taxInFocus><![CDATA[false]]></taxInFocus>  <Detail1 dbID="" domID="1" objContext="1" objName="rnd\_expr">  <attribute pkNames="" selected="Y" status="N" updateFlag="A" />  <expr\_no><![CDATA[]]></expr\_no>  **<expr\_date><![CDATA[12/03/18]]></expr\_date>**  <expr\_type><![CDATA[FOR]]></expr\_type>  **<item\_code><![CDATA[EF0888]]></item\_code>**  **<site\_code><![CDATA[TA821]]></site\_code>**  **<quantity><![CDATA[100]]></quantity>**  **<expr\_start\_date><![CDATA[12/03/18]]></expr\_start\_date>**  **<expr\_status\_date><![CDATA[12/03/18]]></expr\_status\_date>**  **<due\_date><![CDATA[12/03/18]]></due\_date>**  **<expr\_status><![CDATA[O]]></expr\_status>**  **<proj\_code><![CDATA[SUNVQS001]]></proj\_code>**  **<unit><![CDATA[TRE]]></unit>**  </Detail1>  <Detail3 dbID="" domID="1" objContext="3" objName="rnd\_expr">  <attribute pkNames="" selected="Y" status="N" updateFlag="A" />  **<qty\_calc\_type><![CDATA[E]]></qty\_calc\_type>**  **<qty\_per\_proc><![CDATA[10]]></qty\_per\_proc>**  **<item\_code><![CDATA[EF0888]]></item\_code>**  **<calc\_type><![CDATA[M]]></calc\_type>**  **<qty\_per\_unit><![CDATA[1]]></qty\_per\_unit>**  **<quantity\_\_alt><![CDATA[30]]></quantity\_\_alt>**  **<lot\_no><![CDATA[0000000205 ]]></lot\_no>**  **<composion><![CDATA[N]]></composion>**  **<adj\_potency><![CDATA[10]]></adj\_potency>**  **<quantity><![CDATA[10]]></quantity>**  **<unit><![CDATA[XI1]]></unit>**  **<unit\_\_alt><![CDATA[XI1]]></unit\_\_alt>**  </Detail3>  </Header0>  </group0>  </DocumentRoot> |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | XML |
| Output :- (Validation Error) | <Response><results><Root><Errors>  <error column\_name="proj\_code" id="VTPROJINV0" type="E">  <message><![CDATA[ Error : ]]></message><description><![CDATA[Message Id not found. [VTPROJINV0]]]></description><type><![CDATA[E]]></type><time/><alarm/><source/><trace><![CDATA[Error : ]]></trace><redirect><![CDATA[1]]></redirect><detailDomId><![CDATA[ 1 ]]></detailDomId></error></Errors></Root></results><status>error</status></Response> |
| (Success) | <Response><results><Root><Detail>Success</Detail><TranID>TEST1300001</TranID><MsgOnSave> Transaction is saved. </MsgOnSave></Root></results><status>success</status></Response> |

|  |  |
| --- | --- |
| JSON EXAMPLE | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| ACTION | **A** |
| INPUT\_STR | {"DocumentRoot":{"description":"Datawindow Root","group0":{"description":"Group0 description","Header0":{"description":"Header0 members","objName":"rnd\_expr","pageContext":"1","objContext":"1","editFlag":"A","action":"SAVE","keyValue":"1","saveLevel":"1","forcedSave":"false","taxInFocus":"false","Detail1":{"attrib":{"@dbID":"","@domID":"1","@objContext":"1","@objName":"rnd\_expr"},"attribute":{"attrib":{"@pkNames":"","@selected":"Y","@status":"N","@updateFlag":"A"}},**"expr\_no":[],"expr\_date":"12/03/18",**"expr\_type":"FOR"**,"item\_code":"EF0888","site\_code":"TA821","quantity":"100","expr\_start\_date":"12/03/18","expr\_status\_date":"12/03/18","due\_date":"12/03/18","expr\_status":"O","proj\_code":"SUNVQS001","unit":"TRE"}**,"Detail3":{"attrib":{"@dbID":"","@domID":"1","@objContext":"3","@objName":"rnd\_expr"},"attribute":{"attrib":{"@pkNames":"","@selected":"Y","@status":"N","@updateFlag":"A"}},**"qty\_calc\_type":"E","qty\_per\_proc":"10","item\_code":"EF0888","calc\_type":"M","qty\_per\_unit":"1","quantity\_\_alt":"30","lot\_no":"0000000205","composion":"N","adj\_potency":"10","quantity":"10","unit":"XI1","unit\_\_alt":"XI1"**}}}}} |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | JSON |
| Output :- (Validation Error) | {"Response":{"results":"{\"Root\":{\"Errors\":{\"error\":{\"attrib\":{\"@column\_name\":\"item\_code\",\"@id\":\"INITEM01\",\"@type\":\"E\"},\"message\":\" Error : Invalid item code\",\"description\":\"Please enter a valid item code.\",\"type\":\"E\",\"time\":\"null\",\"alarm\":\"null\",\"source\":\"null\",\"trace\":\"Error : Invalid item code\",\"redirect\":\"1\",\"detailDomId\":\" 1 \"}}}}","status":"error"}} |
| (Success) | {"Response":{"results":"{\"Root\":{\"Detail\":\"Success\",\"TranID\":\"TEST1300002\",\"MsgOnSave\":\" Transaction is saved. \"}}","status":"success"}} |

**Column Mapping**

**Header Table: EXPR\_HDR**

|  |  |  |
| --- | --- | --- |
| **Label Name** | **Column Name** | **Dropdown (Display and Data store value)** |
| Experiment No | Expr\_no |  |
| Experiment Date | Expr\_date |  |
| Item Code | item\_code |  |
| Site code | Site\_code |  |
| Batch Size | quantity |  |
| Expreriment Start Date | Expr\_start\_date |  |
| Expr Status Date | Expr\_status\_date |  |
| Due Date | Due\_date |  |
| Expreriment Status | Expr\_status | Open – O, Cancel – C, Close - X |
| Project Code | Proj\_code |  |
| Unit | unit |  |

**Detail Table: EXPR\_BILL**

|  |  |  |
| --- | --- | --- |
| **Label Name** | **Column Name** | **Dropdown** |
| Experiment No | expr\_no |  |
| Experiment Line No | line\_no |  |
| Experiment Level | exp\_lev |  |
| Stage No | operation |  |
| Experimet Ref No | expr\_ref\_no |  |
| Experiment Line No | expr\_line\_no |  |
| Loc Code | loc\_code |  |
| AR No. | lot\_no |  |
| Lot Sl | lot\_sl |  |
| Experiment Quantity | quantity |  |
| Unit | unit |  |
| Potency Code | mathod\_code\_bom |  |
| Potency Input | mathod\_input |  |
| Match Potency | adj\_potency |  |
| Potency Adjusted | potency\_adj |  |
| No Art | no\_art |  |
| Rate | rate |  |
| Account Code Wp | acct\_code\_\_wp |  |
| Cost Centre Code Wp | cctr\_code\_\_wp |  |
| Reason Code | reas\_code |  |
| Gross Rate | gross\_rate |  |
| Stock Option | stk\_opt |  |
| Net Weight | net\_weight |  |
| Gross Weight | gross\_weight |  |
| Tare Weight | tare\_weight |  |
| Standard Unit | unit\_\_alt |  |
| Conversion factor | conv\_\_qty\_\_alt |  |
| Standard Qty | quantity\_\_alt |  |
| Quantity Per Unit | qty\_per\_unit |  |
| Print On TR. | composion | display="YES" data="Y"  display="NO" data="N" |
| Item Specification | item\_spec |  |
| Process Size | qty\_per\_proc |  |
| Calculation Type | calc\_type | display="Mg//Ml Per Unit" data="M"  display="% of Batch Size" data="P"  display="Not Applicable" data="N" |
| Item Source | item\_source |  |
| Remarks | remarks |  |
| Actaul Quantity | actual\_qty |  |
| Line No Sequence | line\_no\_seq |  |
| Qty CalculationType | qty\_calc\_type | display="Experiment Process Size" data="E"  display="Process Size" data="P” |
| Overages % | over\_perc |  |

**Get Pophelp data**: (/**fieldPophelp**)

**Purpose** : This API is used to get options to select from the field values.

**Get Pophelp Data of Item Code**

**Method Name:** getPopHelpData()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| token\_id | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| FIELDNAME | Mandatory | Name of a field on which pophelp is used |
| INPUT\_STR | Mandatory | Input data for pophelp(parameter value) |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/fieldPophelp?OBJ\_NAME=<objName>&FIELDNAME=<fieldName>&INPUT\_STR=<inputData>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Example:**

|  |  |
| --- | --- |
| **PARAMETERS** | **VALUES** |
| TOKEN\_ID | <TOKEN\_ID> |
| OBJ\_NAME | rnd\_expr |
| FILEDNAME | item\_code |
| DATA\_FORMAT | XML/JSON |
| Remarks | Note: In following example, we are passing ‘item\_code’ as FIELDNAME |
| INPUT\_STR | |
| **XML :**  <DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <Detail3 objContext="1" objName="rnd\_expr" domID="1" dbID="" selected="Y">  <attribute selected="Y" updateFlag="A" status="N" pkNames="" />  **<item\_code><![CDATA[POI]]></item\_code>**  </Detail3>  </Header0>  </group0>  </DocumentRoot>  **JSON:**  {"DocumentRoot":{"description":"Datawindow Root","group0":{"description":"Group0 description","Header0":{"description":"Header0 members","Detail3":{"attrib":{"@dbID":"","@domID":"1","@objContext":"3","@objName":"rnd\_expr","@selected":"Y"},"attribute":{"attrib":{"@pkNames":"","@selected":"Y","@status":"N","@updateFlag":"A"}},"item\_code":""}}}}} | |
| **OUTPUT** | |
| **XML :** <Response><results><DOCUMENTROOT><DESCRIPTION></DESCRIPTION><METADATA><FIELD\_NAME>null</FIELD\_NAME><MOD\_NAME>null</MOD\_NAME><SQL\_STR><![CDATA[[select item\_code, descr from item where (item\_code like 'R%' or item\_code like 'BD%' or item\_code like 'P%' or item\_code like 'LB%') and (item\_code not like 'RV%' and item\_code not like 'PAV%') and descr like '?%' and active = 'Y']]></SQL\_STR><DW\_OBJECT></DW\_OBJECT><MSG\_TITLE></MSG\_TITLE><WIDTH>0</WIDTH><HEIGHT>0</HEIGHT><CHG\_DATE>null</CHG\_DATE><CHG\_USER></CHG\_USER><CHG\_TERM></CHG\_TERM><DIST\_OPT></DIST\_OPT><FILTER\_STRING></FILTER\_STRING><SQL\_INPUT>:item\_code</SQL\_INPUT><DEFAULT\_COL>1</DEFAULT\_COL><POP\_ALIGN></POP\_ALIGN><QUERY\_MODE></QUERY\_MODE><PAGE\_CONTEXT>0</PAGE\_CONTEXT><MULTIPLE\_OPT>0</MULTIPLE\_OPT><POPHELP\_SOURCE></POPHELP\_SOURCE><THUMB\_OBJ></THUMB\_OBJ><THUMB\_IMAGE\_COL></THUMB\_IMAGE\_COL><THUMB\_ALT\_COL></THUMB\_ALT\_COL></METADATA><GROUP0><DESCRIPTION></DESCRIPTION><HEADER0><DETAIL id='1' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[BD0049 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[PIROXICAM BETACYCLODEXTRIN]]></Descr></DETAIL><DETAIL id='2' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[BD0061 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[IMINODIBENZYL]]></Descr></DETAIL><DETAIL id='3' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[BD0062 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[CARBAMAZEPINE]]></Descr></DETAIL><DETAIL id='4' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20104 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SODIUM HYDROXIDE FLAKES (CAUSTIC SODA)]]></Descr></DETAIL><DETAIL id='5' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20105 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SODIUM HYDROXIDE LYE (CAUSTIC LYE)]]></Descr></DETAIL><DETAIL id='6' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20106 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SODIUM METABISULPHITE]]></Descr></DETAIL><DETAIL id='7' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20107 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SODIUM METHOXIDE (POWDER)]]></Descr></DETAIL><DETAIL id='8' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20108 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SODIUM METHOXIDE SOLUTION]]></Descr></DETAIL><DETAIL id='9' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20109 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SULPHURIC ACID (COMMERCIAL GRADE)]]></Descr></DETAIL><DETAIL id='10' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20110 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[SULPHURIC ACID (CHEMICALLY PURE GRADE)]]></Descr></DETAIL><DETAIL id='11' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20112 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[TERTBUTYL ACETATE]]></Descr></DETAIL><DETAIL id='12' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20113 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[TERTIARY BUTYL AMINE]]></Descr></DETAIL><DETAIL id='13' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20115 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[THIOANISOLE]]></Descr></DETAIL><DETAIL id='14' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20116 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[THIONYL CHLORIDE LR ]]></Descr></DETAIL><DETAIL id='15' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20121 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[1,3-CYCLOHEXANEDIONE]]></Descr></DETAIL><DETAIL id='16' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20122 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[1.1-CYCLOHEXANE ACETAMIDO ACETIC ACID]]></Descr></DETAIL><DETAIL id='17' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20123 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[1.4-DICHLORO BUTANE]]></Descr></DETAIL><DETAIL id='18' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20124 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[1-AMINO 1-CYANO CYCLOPENTANONE ]]></Descr></DETAIL><DETAIL id='19' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20125 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[1-BROMO 3-CHLORO PROPANE]]></Descr></DETAIL><DETAIL id='20' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20126 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2-BUTYL-1,4 DIOL]]></Descr></DETAIL><DETAIL id='21' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20127 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2-METHOXY ETHANOL]]></Descr></DETAIL><DETAIL id='22' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20128 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2,5-DICHLORO NITRO BENZENE]]></Descr></DETAIL><DETAIL id='23' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20129 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2,6-LUTIDINE]]></Descr></DETAIL><DETAIL id='24' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20130 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2-AMINO ETHYL AMINO ETHANOL]]></Descr></DETAIL><DETAIL id='25' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20131 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2-AMINO-1,3-PROPANE DIOL]]></Descr></DETAIL><DETAIL id='26' imagePath=''><Item\_Code dbType ="CHAR"><![CDATA[RA20132 ]]></Item\_Code><Descr dbType ="VARCHAR2"><![CDATA[2-BROMO PROPIONIC ACID]]></Descr></DETAIL<DESCRIPTION></DESCRIPTION></HEADER0></GROUP0></DOCUMENTROOT></results><status>success</status></Response>  **JSON :**  {"Response":{"results":"{\"DOCUMENTROOT\":{\"METADATA\":{\"FIELD\_NAME\":\"null\",\"MOD\_NAME\":\"null\",\"SQL\_STR\":\"[select item\_code, descr from item where (item\_code like 'R%' or item\_code like 'BD%' or item\_code like 'P%' or item\_code like 'LB%') and (item\_code not like 'RV%' and item\_code not like 'PAV%') and descr like '?%' and active = 'Y'\",\"WIDTH\":\"0\",\"HEIGHT\":\"0\",\"CHG\_DATE\":\"null\",\"SQL\_INPUT\":\":item\_code\",\"DEFAULT\_COL\":\"1\",\"PAGE\_CONTEXT\":\"0\",\"MULTIPLE\_OPT\":\"0\"},\"GROUP0\":{\"HEADER0\":{\"DETAIL\":[{\"attrib\":{\"@id\":\"1\",\"@imagePath\":\"\"},\"Item\_Code\":\"BD0049 \",\"Descr\":\"PIROXICAM BETACYCLODEXTRIN\"},{\"attrib\":{\"@id\":\"2\",\"@imagePath\":\"\"},\"Item\_Code\":\"BD0061 \",\"Descr\":\"IMINODIBENZYL\"},{\"attrib\":{\"@id\":\"3\",\"@imagePath\":\"\"},\"Item\_Code\":\"BD0062 \",\"Descr\":\"CARBAMAZEPINE\"},{\"attrib\":{\"@id\":\"4\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20104 \",\"Descr\":\"SODIUM HYDROXIDE FLAKES (CAUSTIC SODA)\"},{\"attrib\":{\"@id\":\"5\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20105 \",\"Descr\":\"SODIUM HYDROXIDE LYE (CAUSTIC LYE)\"},{\"attrib\":{\"@id\":\"6\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20106 \",\"Descr\":\"SODIUM METABISULPHITE\"},{\"attrib\":{\"@id\":\"7\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20107 \",\"Descr\":\"SODIUM METHOXIDE (POWDER)\"},{\"attrib\":{\"@id\":\"8\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20108 \",\"Descr\":\"SODIUM METHOXIDE SOLUTION\"},{\"attrib\":{\"@id\":\"9\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20109 \",\"Descr\":\"SULPHURIC ACID (COMMERCIAL GRADE)\"},{\"attrib\":{\"@id\":\"10\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20110 \",\"Descr\":\"SULPHURIC ACID (CHEMICALLY PURE GRADE)\"},{\"attrib\":{\"@id\":\"11\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20112 \",\"Descr\":\"TERTBUTYL ACETATE\"},{\"attrib\":{\"@id\":\"12\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20113 \",\"Descr\":\"TERTIARY BUTYL AMINE\"},{\"attrib\":{\"@id\":\"13\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20115 \",\"Descr\":\"THIOANISOLE\"},{\"attrib\":{\"@id\":\"14\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20116 \",\"Descr\":\"THIONYL CHLORIDE LR \"},{\"attrib\":{\"@id\":\"15\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20121 \",\"Descr\":\"1,3-CYCLOHEXANEDIONE\"},{\"attrib\":{\"@id\":\"16\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20122 \",\"Descr\":\"1.1-CYCLOHEXANE ACETAMIDO ACETIC ACID\"},{\"attrib\":{\"@id\":\"17\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20123 \",\"Descr\":\"1.4-DICHLORO BUTANE\"},{\"attrib\":{\"@id\":\"18\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20124 \",\"Descr\":\"1-AMINO 1-CYANO CYCLOPENTANONE \"},{\"attrib\":{\"@id\":\"19\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20125 \",\"Descr\":\"1-BROMO 3-CHLORO PROPANE\"},{\"attrib\":{\"@id\":\"20\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20126 \",\"Descr\":\"2-BUTYL-1,4 DIOL\"},{\"attrib\":{\"@id\":\"21\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20127 \",\"Descr\":\"2-METHOXY ETHANOL\"},{\"attrib\":{\"@id\":\"22\",\"@imagePath\":\"\"},\"Item\_Code\":\"RA20128 \",\"Descr\":\"2,5-DICHLORO NITRO BENZENE\"}]}}}}","status":"success"}} | |

**3. Get Data for Project Code**: (/**performItemChange**)

**Get Data for Project Code**

**Purpose:** This API is used to fetch the data and description on calling item change event.

**Method Name:** getItemChange()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| TOKEN\_ID | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| TRANS\_DOM | Mandatory | transaction data (Item change of Detail1) |
| DETAIL\_DOM | Mandatory | detail Data (Item change of Detail 2) |
| DOM\_ID | Mandatory | DomId : (Detail1 → 1) (Detail2 → Number of a row) |
| DATA\_FORMAT | Mandatory | Format of the data in which the data string is fetched or inserted |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/performItemChange?OBJ\_NAME=<objName>&TRANS\_DOM=<transDom>&DETAIL\_DOM=<argValues>&DOM\_ID=<domId>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Itemchange on item\_code field**

|  |  |
| --- | --- |
| XML EXAMPLE (Detail1) | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| TRANS\_DOM | **xml:** <?xml version='1.0' encoding='utf-8'?>  <Root>  <header>  <objName><![CDATA[rnd\_expr]]></objName>  <pageContext><![CDATA[2]]></pageContext>  <objContext><![CDATA[1]]></objContext>  <editFlag><![CDATA[A]]></editFlag>  <focusedColumn><![CDATA[proj\_code]]></focusedColumn>  <elementName><![CDATA[false]]></elementName>  <keyValue><![CDATA[1]]></keyValue>  <taxKeyValue><![CDATA[1]]></taxKeyValue>  <saveLevel><![CDATA[0]]></saveLevel>  <forcedSave><![CDATA[false]]></forcedSave>  <taxInFocus><![CDATA[false]]></taxInFocus>  </header>  </Root> |
| DETAIL\_DOM | **xml:** <DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <objName><![CDATA[rnd\_expr]]></objName>  <pageContext><![CDATA[2]]></pageContext>  <objContext><![CDATA[1]]></objContext>  <editFlag><![CDATA[A]]></editFlag>  <focusedColumn><![CDATA[proj\_code]]></focusedColumn>  <elementName><![CDATA[false]]></elementName>  <keyValue><![CDATA[1]]></keyValue>  <taxKeyValue><![CDATA[1]]></taxKeyValue>  <saveLevel><![CDATA[0]]></saveLevel>  <forcedSave><![CDATA[false]]></forcedSave>  <taxInFocus><![CDATA[false]]></taxInFocus>  <Detail1 dbID="" domID="1" objContext="1" objName="rnd\_expr">  <expr\_type><![CDATA[FOR]]></expr\_type>  **<proj\_code><![CDATA[10710008 ]]></proj\_code>**  </Detail1>  </Header0>  </group0>  </DocumentRoot> |
| DOM\_ID | 1 |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | XML |
| Output | <Response><results><Root>  <header>  <editFlag>A</editFlag>  </header>  <Detail1 domID="1">  <site\_code protect="1"><![CDATA[SP851]]></site\_code><site\_descr protect="1"><![CDATA[SUN PHARMACEUTICAL IND LTD]]></site\_descr><project\_descr><![CDATA[BECLOMETHASONE DIPROPIONATE 100MCG DPI]]></project\_descr><item\_code><![CDATA[RD10710008]]></item\_code><item\_descr><![CDATA[BECLOMETHASONE DIPROPIONATE 100MCG DPI]]></item\_descr><lot\_no/><unit\_\_std>XXX</unit\_\_std><unit>XXX</unit><current\_batch\_qty>5000.0</current\_batch\_qty></Detail1>  </Root></results><status>success</status></Response> |

|  |  |
| --- | --- |
| JSON EXAMPLE (Detail3) | |
| PARAMETERS | VALUE |
| OBJ\_NAME | rnd\_expr |
| TRANS\_DOM | {"Root":{"header":{"objName":"rnd\_expr","pageContext":"2","objContext":"1","focusedColumn":"proj\_code","elementName":"false","keyValue":"1","taxKeyValue":"1","saveLevel":"0","forcedSave":"false","taxInFocus":"false"}}} |
| DETAIL\_DOM | {"DocumentRoot":{"description":"Datawindow Root","group0":{"description":"Group0 description","Header0":{"description":"Header0 members","objName":"rnd\_expr","pageContext":"2","objContext":"1","focusedColumn":"proj\_code","elementName":"false","keyValue":"1","taxKeyValue":"1","saveLevel":"0","forcedSave":"false","taxInFocus":"false","Detail1":{"attrib":{"@dbID":"","@domID":"1","@objContext":"1","@objName":"rnd\_expr"},"expr\_type":"FOR",**"proj\_code":"10710008"**}}}}} |
| DOM\_ID | 1 |
| TOKEN\_ID | E30055:ED519E94-2F03-44B8-A394 |
| DATA\_FOMAT | JSON |
| Output | {"Response":{"results":"{\"Root\":{\"header\":{\"editFlag\":\"null\"},\"Detail1\":{\"attrib\":{\"@domID\":\"1\"},\"site\_code\":\"SP851\",\"site\_descr\":\"SUN PHARMACEUTICAL IND LTD\",\"project\_descr\":\"BECLOMETHASONE DIPROPIONATE 100MCG DPI\",\"item\_code\":\"RD10710008\",\"item\_descr\":\"BECLOMETHASONE DIPROPIONATE 100MCG DPI\",\"unit\_\_std\":\"XXX\",\"unit\":\"XXX\",\"current\_batch\_qty\":\"5000.0\"}}}","status":"success"}} |

**Column Mapping**

|  |  |
| --- | --- |
| **Label Name** | **Column Name** |
| Site Code | site\_code |
| Site Description | site\_descr |
| Project Description | proj\_descr |
| Item Code | item\_code |
| Item Description | Item\_descr |
| Standard Unit | unit\_\_std |
| Unit | unit |
| Batch Quantity | current\_batch\_qty |
| Lot No / AR No / Batch No | lot\_no |

**Get Pophelp data**: (/**fieldPophelp**)

**Purpose** : This API is used to get options to select from the field values.

**Get Pophelp Data of Project Code**

**Method Name:** getPopHelpData()

|  |  |  |
| --- | --- | --- |
| **Request Parameters** | **Checks** | **Remarks** |
| token\_id | Mandatory | Token Id is provided by the system after the successful login |
| OBJ\_NAME | Mandatory | Object Name for respected action |
| FIELDNAME | Mandatory | Name of a field on which pophelp is used |
| INPUT\_STR | Mandatory | Input data for pophelp(parameter value) |

|  |  |
| --- | --- |
| **Points** | **Description** |
| Created URI | https://<IP>:<PORT\_NO>/ibase/rest/E12ExtService/fieldPophelp?OBJ\_NAME=<objName>&FIELDNAME=<fieldName>&INPUT\_STR=<inputData>&TOKEN\_ID=<tokenId>&DATA\_FORMAT=<data\_format> |
| Response | Return respected data in provided format(DATA\_FORMAT value) |

**Example:**

|  |  |
| --- | --- |
| **PARAMETERS** | **VALUES** |
| TOKEN\_ID | <TOKEN\_ID> |
| OBJ\_NAME | rnd\_expr |
| FILEDNAME | proj\_code |
| DATA\_FORMAT | XML/JSON |
| Remarks | Note: In following example, we are passing ‘proj\_code’ as FIELDNAME |
| INPUT\_STR | |
| **XML :**  <DocumentRoot>  <description>Datawindow Root</description>  <group0>  <description>Group0 description</description>  <Header0>  <description>Header0 members</description>  <Detail1 objContext="1" objName="rnd\_expr" domID="1" dbID="" selected="Y">  <attribute selected="Y" updateFlag="A" status="N" pkNames="" />  **<proj\_code><![CDATA[10710008]]></proj\_code>**  </Detail1>  </Header0>  </group0>  </DocumentRoot>  **JSON:**  {"DocumentRoot":{"description":"Datawindow Root","group0":{"description":"Group0 description","Header0":{"description":"Header0 members","Detail1":{"attrib":{"@dbID":"","@domID":"1","@objContext":"1","@objName":"rnd\_expr","@selected":"Y"},"attribute":{"attrib":{"@pkNames":"","@selected":"Y","@status":"N","@updateFlag":"A"}},**"proj\_code":"10710008"**}}}}} | |