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gossoudarev scorm api tester   0cd3bed 2 minutes ago

1 contributor

204 lines (188 sloc)   6.33 KB   Raw   Blame   History   🖥 ✏ 🗑

```
 1   var myAPI=(function(){
 2
 3                   var _Debug = false;
 4                   var _NoError = 0;
 5                   var _GeneralException = 101;
 6                   var _GeneralInitializationFailure = 102;
 7                   var _AlreadyInitialized = 103;
 8                   var _ContentInstanceTerminated = 104;
 9                   var _GeneralTerminationFailure = 111;
10                   var _TerminationBeforeInitialization = 112;
11                   var _TerminationAfterTermination = 113;
12                   var _ReceivedDataBeforeInitialization = 122;
13                   var _ReceivedDataAfterTermination = 123;
14                   var _StoreDataBeforeInitialization = 132;
15                   var _StoreDataAfterTermination = 133;
16                   var _CommitBeforeInitialization = 142;
17                   var _CommitAfterTermination = 143;
18                   var _GeneralArgumentError = 201;
19                   var _GeneralGetFailure = 301;
20                   var _GeneralSetFailure = 351;
21                   var _GeneralCommitFailure = 391;
22                   var _UndefinedDataModelElement = 401;
23                   var _UnimplementedDataModelElement = 402;
24                   var _DataModelElementValueNotInitialized = 403;
25                   var _DataModelElementIsReadOnly = 404;
26                   var _DataModelElementIsWriteOnly = 405;
27                   var _DataModelElementTypeMismatch = 406;
28                   var _DataModelElementValueOutOfRange = 407;
29                   var apiHandle = null;
30                   var API = null;
31                   var findAPITries = 0;
32                   function doInitialize() {
33                       var api = getAPIHandle();
34                       if (api == null) {
35                           console.error('Unable to locate the LMS API Implementation.\nInitialize was not successful.');
36                           return 'false';
37                       }
38                       var result = api.Initialize('');
39                       if (result.toString() != 'true') {
40                           var err = ErrorHandler();
41                       }
42                       return result.toString();
43                   }
44                   function doTerminate(){
45                       var api = getAPIHandle();
46                       if (api == null){
47                           console.error('Unable to locate the LMS API Implementation.\nTerminate was not successful.');
48                           return 'false';
49                       }
50                       else {
51                           // call the Terminate function that should be implemented by the API
52                                   var result = api.Terminate('');
53                           if (result.toString() != 'true') {
54                               var err = ErrorHandler();
55                           }
```

```
 56                    }
 57                    return result.toString();
 58                }
 59            function doGetValue(name){
 60                var api = getAPIHandle();
 61                if (api == null) {
 62                    console.error('Unable to locate the LMS API Implementation.\nGetValue was not successful.');
 63                    return '';
 64                } else {
 65                    var value = api.GetValue(name);
 66                    var errCode = api.GetLastError().toString();
 67                    if (errCode != _NoError)        {
 68                        // an error was encountered so display the error description
 69                        var errDescription = api.GetErrorString(errCode);
 70                        console.error('GetValue('+name+') failed. \n'+ errDescription);
 71                        return '';
 72                    } else {
 73
 74                        return value.toString();
 75                    }
 76                }
 77            }
 78            function doSetValue(name, value){
 79                var api = getAPIHandle();
 80                if (api == null)    {
 81                    console.error('Unable to locate the LMS API Implementation.\nSetValue was not successful.');
 82                    return;
 83                } else{
 84                    var result = api.SetValue(name, value);
 85                    if (result.toString() != 'true')        {
 86                        var err = ErrorHandler();
 87                    }
 88                }
 89                return;
 90            }
 91            function doCommit() {
 92                var api = getAPIHandle();
 93                if (api == null){
 94                    console.error('Unable to locate the LMS API Implementation.\nCommit was not successful.');
 95                    return 'false';
 96                } else {
 97                    var result = api.Commit('');
 98                    if (result != 'true') {
 99                        var err = ErrorHandler();
100                    }
101                }
102                return result.toString();
103            }
104            function doGetLastError() {
105                var api = getAPIHandle();
106                if (api == null) {
107                    console.error('Unable to locate the LMS API Implementation.\nGetLastError was not successful.');
108                    //since we cannot get the error code from the LMS, return a general error
109                    return _GeneralError;
110                }
111                return api.GetLastError().toString();
112            }
113            function doGetErrorString(errorCode) {
114                var api = getAPIHandle();
115                if (api == null) {
116                    console.error('Unable to locate the LMS API Implementation.\nGetErrorString was not successful.');
117                }
118                return api.GetErrorString(errorCode).toString();
119            }
120            function doGetDiagnostic(errorCode){
121                var api = getAPIHandle();
122                if (api == null) {
123                    console.error('Unable to locate the LMS API Implementation.\nGetDiagnostic was not successful.');
124                }
125                return api.GetDiagnostic(errorCode).toString();
126            }
127            function LMSIsInitialized(){
128                var api = getAPIHandle();
129                if (api == null) {
```

```
130                       console.error('Unable to locate the LMS API Implementation.\nLMSIsInitialized() failed.');
131                       return false;
132               }     else {
133                       var value = api.GetValue('cmi.core.student_name');
134                       var errCode = api.GetLastError().toString();
135                       if (errCode == _NotInitialized) {
136                           return false;
137                       } else  {
138                           return true;
139                       }
140                   }
141               }
142           function ErrorHandler() {
143               var api = getAPIHandle();
144               if (api == null) {
145                   console.error('Unable to locate the LMS API Implementation.\nCannot determine LMS error code.');
146                   return;
147               }
148               // check for errors caused by or from the LMS
149               var errCode = api.GetLastError().toString();
150               if (errCode != _NoError) {
151                   // an error was encountered so display the error description
152                   var errDescription = api.GetErrorString(errCode);
153                   if (_Debug == true)        {
154                       errDescription += '\n';
155                       errDescription += api.GetDiagnostic(null);
156                       // by passing null to GetDiagnostic, we get any available diagnostics
157                       // on the previous error.
158                   }
159                   console.error(errDescription);
160               }
161               return errCode;
162           }
163           function getAPIHandle(){
164               if (apiHandle == null) {
165                   apiHandle = getAPI();
166               }
167               return apiHandle;
168           }
169           function findAPI(win){
170               while ((win.API_1484_11 == null) && (win.parent != null) && (win.parent != win)) {
171                   findAPITries++;
172                   if (findAPITries > 500)        {
173                       console.error('Error finding API -- too deeply nested.');
174                       return null;
175                   }
176                   win = win.parent;
177               }
178               return win.API_1484_11;
179           }
180 //*******************************************
181
182           var theAPI = findAPI(window);
183           if ((theAPI == null) && (window.opener != null) && (typeof(window.opener) != 'undefined'))  {
184               theAPI = findAPI(window.opener);
185           }
186           if (theAPI == null) {
187               console.error('Unable to find an API adapter');
188           }
189           theAPI.my = function(){var t = 'Goss'; return t};
190           return theAPI;
191
192 })();
193
194
195
196
197
198
199
200
201
202
```

203

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