JavaScript API Reference

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Overview

Java Scripting within Dreamscape enables advanced features to be built into the Web App design to create a rich user experience. The following guide is aimed at providing Web App designers with a reference for the Dreamscape JavaScript API.

FSI API

The FSI API implements a global fsi Java-script object that provides basic functionality to interact with a Dreamscape Web App.

Log

log function is used for write a value on browser console. It takes a message as parameter

•   param {string} The message

Example:

function doSomething(){

```
fsi.log('your message');
```

}

Redirect to other page

•   param {string} The page name of web app

Example:

function doSomething(){

```
fsi.redirectPage('PageName');
```

}

Get a element value by id

•   param {string} The ID of the control to retrieve

- return {object} The specified control value

Example:

```
function doSomething(){

        var ctrlValue= fsi.getById('contolName');

        }
```

Display an alert box

- param {string} The message to display
- param {object} [optional] The dialog options

Example:

```
function showAlert(){

        var value = fsi.getById('controlName');

        fsi.alert(value );

        }
```

Navigate to a specific page

Change page method is used for navigating to another page.it takes page name as a parameter.It is optional parameter.if parameter has not been passed then it will navigate to the default page.

- param {string} [optional] The name of the page to go to.

Example:

```
function doSomething(){

                //write your code

        fsi.changePage('pageName');

        }
```

Execute page event

CheckPageEvents methods is used for executing the page events.It takes event name as a parameter.

- param {string} The name of the event to execute.

Example:

```
function doSomething(){
```

```
                    //write your code
          checkPageEvents('pagechange');
              checkPageEvents('load')
              }
```

Render Control

RenderControl method is used for rendering the controls of the page. It checks the control type of all controls   and accordingly set their initial value and other properties as well.

param {string} The name of the control.

param {string} Initial value of the control.

Example :

```
function doSomething(){
                    //write your code
          fsi.renderControl(element, 'intialData');
}
```

Select Data Object

selectDataObject method is used for retrieving the data from database with optional where clause and callback function.

param {string} The Data object Name.

param {object} (Optional) Object value of where clause with0 (key,value) pair.

param {function} (Optional) The ajax success callback function.

param {function} (Optional)   The ajax error callback function..

param {function} (Optional)   The ajax complete callback function.

Example :

```
function doSomething(){
                    //write your code
          fsi. selectDataObject(dataObject, where, success, error, complete);
}
```

Convert date time format

This method is used to change date format.

param {string} The value of date time in time-stamp or string format   .

param {string} Type of format.

Example :

```
function doSomething(){
                //write your code
// formatType=1 for dd/MM/yyyy
// formatType=2 for MM/dd/yyyy
// formatType=3 for yyyy/MM/dd
// formatType=4 for Hijri Date
var formateType;
    var formatedDate=fsi.convertDateTimeFormat(dateTime,formateType);
}
```

Select Time Zone

Select timezone method is used for retrieving time zone for date from database of date picker and Calendar Control

param {string} The name property of the control.

Example :

```
function doSomething(){
                //write your code
var datePikerName;
var timeZone=    fsi. selectTimeZones(datePikerName);
var calenderName;
var timeZoneCalendar=    fsi. selectTimeZonesForCalendar(calenderName);
}
```

Refresh Data list

efresh datalist method is used for refresh a datalist control with javascript .It takes

dataListControlName   as parameter.

Param{string} dataListControlName

Example :

```
function doSomething(){
                //write your code
        fsi.refreshDataList(dataListControlName);
}
```

Data List Filter

dataListFilter method is used for make a filter on a data-list control with java script .It takes

dataListControlName,dataListColumnName, columnValue as parameter.

Param{string} The name property of a data-list control

Param{string}The columnName of dataListControl

Param{string}The columnValue of dataListControl

Example :

```
function doSomething(){
                //write your code
fsi.dataListFilter(dataListControlName, columnName, columnValue);
}
```

Data List Row Values

dataListFilter method is used for make a filter on a data-list control with java script .It takes

dataListControlName,dataListColumnName, columnValue as parameter.

Param{string} The name property of a data-list control

Param{string}The columnName of dataListControl

Param{string}The columnValue of dataListControl

Example :

```
function doSomething(){
                //write your code
fsi.dataListFilter(dataListControlName, columnName, columnValue);
```

}

Data List Row Click Event

DataListRowClickEvent method is triggered on row click event of data list.

param {string} Type of redirect url.

param {string} Name of redirect url.

Example :

function doSomething(){

          //write your code

    //redirectUrlType=INTERNAL/EXTERNAL

    //redirectUrl ='www.google.com' (EXTERNAL)/ pageName (INTERNAL)

     fsi.dataListRowClickEvent (controlName, redirectUrlType, redirectUrl)

}

Refresh Grid

RenderGrid method is used for refresh Grid control.

param {string} The name of the control.

Example :

function doSomething(){

          //write your code

    fsi.refreshGrid(element)

}

Mapping

Mapping method is used for mapping the map.

param {string} The name of map control.

param {string} The array of pinpoints.

Example :

function doSomething(){

          //write your code

    var controlName='mapName';

    var pinpoints=[];

    pinpoints.push({lat:'10.12',lon:'78.22'});

```
            fsi. mapping(controlName, pinpoints)
}
```

Random color

GetRandomColor method is used for get random color code

Example :

```
function doSomething(){
                //write your code
    var colorCode= fsi.getRandomColor ();
}
```

Get Current Position

GetCurrentPosition method is used for get the user current locations if you have enabled a browser geolocation can set this object in map control.

Example :

```
function doSomething(){
                //write your code
    //locationObject= {lat: "51.557647", lon: "0.252052"}
    var loacationObject=fsi.getCurrentPosition();
}
```

Sort Result

SortResults method is used for sorting JSON data

Param{string} The Json Data

Param{string} The property name in JSON data

Param{string} Ordering of the data asc or desc

Example :

```
function doSomething(){
                //write your code
    //jsonData =[{'name':'abc','age':'25'},{'name':'abc','age':'25'}]
    //orderBy=name
    //order= desc/asc
```

```
var jsonData=fsi.sortResults(jsonData, orderBy, order);
}
```

Filter Combo

FilterCombo method is used for filter a combo control data.

Param{string} The combo control name property

Param{string} The data-object column name

Param{string} value for the data-object column

Example :

```
function doSomething(){
                //write your code
        fsi.filterCombo(controlName, columnName, columnValue);
}
```

Refresh Page

This method is used for refresh full page.

Example :

```
function doSomething(){
                //write your code
        fsi.refreshPage()
        }
```

Go back Page

This method is used for redirect to previous page.

Example :

```
function doSomething(){
                //write your code
        fsi.goBack()
        }
```

Page Parameter

Page-parameter method is used for get and set the page parameter values.

Param{string} The key for page parameter

Param{string} The value of page parameter.

Example :

```
function doSomething(){
                //write your code
        //set Pageparameter
        var key='myName'
        var value='John'
        fsi.pageParameter(key, value)
        //get PagePareameter
        var paramerterValue;
        paramerterValue= fsi.pageParameter(key);
        console.log(paramerterValue);
        }
```

Remove Page Parameters

Remove Parameters method is used for remove a page parameters.It takes key of page-parameter as parameter

Param{string} The key of the pageParameter .

Example :

```
function doSomething(){
                //write your code
    var paramKey='myName';
        fsi.removeParameter(paramKey);
        }
```

Manually Save a Form

SaveForm method is used for saving form data.It takes success CallBack and error CallBack functions as parameter.

Param{string} The successCallBack function

Param{string} The errorCallBack function

Example :

```
function doSomething(){
                //write your code
        fsi.saveForm (successCallBack, errorCallBack);
```

```
                }
```

Crear Form

clearForm method is used for reset all the form control .It takes HTML of form as parameter.

Param{string} The HTML of form

Example :

```
function doSomething(){
                //write your code
        var form=$('form');
        fsi.clearForm(form)
        }
```

Manually Delete Form Data

DeleteFormData method is used for delete data form data object.It takes success CallBack and error

CallBack functions as parameter.

Param{string} successCallBack function

Param{string} errorCallBack function

Example :

```
function doSomething(){
                //write your code
        fsi.deleteFormData(successCallBack, errorCallBack);
}
```

Clear And Success Message

ClearSuccessAndErrorMessage method is used for removing success and error messages from the

page

Example :

```
 function doSomething(){
                //write your code
        fsi.clearSuccessAndErrorMessage();
}
```

Manually Execute Web-Service

Webservice   method is used for execute web service manually .It takes webservice service

id,webservice method id, webservice inputParameter,webservice outputParameter as parameter.

Param{long} The Webservice Id

Param{long}The Webservice method Id

Param{string} The Webservice inputParameter

Param{string}The Webservice outputParameter

Example :

```
function doSomething(){
                //write your code
        fsi.webservice(serviceId, methodId, inputParameter, outputParameter)
        }
```

Manually Execute Work-flow

Workflow method is used for executing workflow with javascript .It takes workflowName ,parameter ,

outputControl as parameter.

Param{string} The Name of workflow

Param{object} The workflow parameter

Param{object} The outputControl

Param{object} The outputVariable

Param{function} The successCallback function

Param{function} The errorCallBack function

Example :

```
function doSomething(){
                //write your code
        fsi.workflow (workflowName, parameter, outputControl, outputVariable, successCallback,
errorCallBack)
}
```


Refresh Report

Refresh report method is used for refresh a report control with JavaScript .It takes report control name

property as parameter.

Param{string} The name of report control

Example :

```
function doSomething(){
            //write your code
    fsi.refreshReport(reportName );
}
```

Get Combo Control Text and Value

GetComboText method is used for get a text from combo and GetComboValue is used for get value with javascript .these two methods takes combo control name property as parameter.

Param{string} comboName

Example :

```
function doSomething(){
            //write your code
    var comboText=fsi.getComboText(comboName);
    fsi.log(comboText);
}
```

and similarly Get Combo Value method is used for get a value from combo with javascript. It takes comboName as parameter

Param{string} comboName

Example :

```
function doSomething(){
            //write your code
    var comboValue=fsi.getComboText(comboName);
    fsi.log(comboValue);
}
```

Confirm Box

 Confirm method is used for show a confirm box with javascript .It takes message   as parameter.

Param{string} message

Example :

```
function doSomething(){
            //write your code
    fsi.confirm(message);
}
```

Show and Hide Controls

Show and Hide method is used for show and hide a control with javascript .It takes control property

name as parameter.

Param{string} controlName

Example :

```
function doSomething(){
            //write your code
    //show a control
        fsi.show('controlName');
    //hide a control
        fsi.hide('controlName');
}
```

Enable and Disable Controls

Enable and Disable method is used for make a control as enable and disable with javascript .It takes

controlName   as parameter.

Param{string} controlName

Example :

```
function doSomething(){
            //write your code
    //disable a control
        fsi.disable('controlName');
    //enable a control
        fsi.enable('controlName');
}
```

Enable and disable document linker browse button

Disable Document Browser method and Enable Document Browse method make a disable and enable browser button of a document linker control with javascript .It takes controlName   as parameter.

Param{string} controlName

Example :

```
function doSomething(){
                //write your code
    //disable a control
        fsi.disableDocumentBrowse('controlName');
    //enable a control
        fsi.enableDocumentBrowse('controlName');
}
```

Show and Hide Document linker grid component

Show and Hide Document Grid method is used for only show and hide a documentlinker Grid part with javascript .It takes controlName   as parameter.

Param{string} controlName

Example :

```
function doSomething(){
                //write your code
    //show a control
        fsi.showDocumentGrid('controlName');
    //hide a control
        fsi.hideDocumentGrid('controlName');
}
```

Get logged on user id and name

Get logged on user id and user name is used for a get the value of a logged on userId and userName with javascript .

Example :

```
function doSomething(){
                //write your code
```

```
    //show a control

        fsi.getLoggedUserId('controlName');

    //hide a control

        fsi.getLoggedUserName('controlName');

}
```

Clear image panel control

Clear Image Panel method is used for clear a file selection of a Image Panel Control with java-script .It takes control name property as parameter.

Param{string} The control name property

Example :

```
function doSomething(){

                //write your code

        fsi.clearImagePanel('controlName');

        }
```

Validate image file

validateImageFile method is used for validate the selected file by Image Panel Control with java-script .It takes control name property as parameter.

Param{string} Ther control name property

Example :

```
function doSomething(){

                //write your code

        var isValid = fsi.validateImageFile('controlName');

        fsi.log(isValid);


}
```

Validate Document Files

validateDocumentFile method is used for validate a file selection of a DocumentLinker Control with java-script .It takes control name property as parameter.

Param{string} The control name property

Example :

```
function doSomething(){
                //write your code
       var isValid = fsi.validateDocumentFile('controlName');
       fsi.log(isValid);

}
```

Show Data list row count

rowCount method is used for show a or hide a data-list row count in header with java-script .It takes control name property and a Boolean object as parameter.

Param{string} The control name property

Param{Boolean} show and hide row count

Example :

```
function doSomething(){
                //write your code
Var isShow=true or 'show'
       fsi.rowCount(controlName,isShow);
}
```

Register Event

registerEvent method is used for register a event on the html component with java-script. It takes taget Id,event name and calling function name as parameter.

Param{string} The Target HTML component Id

Param{string} The Event Name

Param{string} The calling function name

Example :

```
function doSomething(){
```

```
                //write your code
fsi.registerEvent (TagetId, EventName , callFunction);
}
```

Get and set Data Key

getDataKey and setDataKey method is used for get and set the current data object row system id with

java-script. getDataKey return a system id and setDataKey takes a string value as parameter.

Param{string} The SystemId for setDataKey

Example :

```
function doSomething(){
                //write your code
Var currentSystemId= fsi.getDataKey();
fsi.setDataKey(currentSystemId);
}
```

ReadOnly

readOnly method is used for set a HTML control as read-only or not with java-script. It takes

Control name property and Boolean isReadOnly as parameter.

Param{string} The control name property

Param{Boolean} The isReadOnly as Boolean

Example :

```
function doSomething(){
                //write your code
fsi.readOnly (controlName, isReadOnly);
}
```