

Widget Object

Published 2014-10-28 | (Compatible with SDK 2.5,3.5,4.5,5.0,5.1 and 2011,2012,2013,2014 models)

Provides functions needed for running an application efficiently.

Contents

Methods

Widget object has functions needed for running an application efficiently, such as a method that notifies the Application Manager of the starting of an application, a method that registers and frees up keys the users want to use, and so on.

Widget	
Library path	\$MANAGER_WIDGET/Common/API/Widget.js
Syntax	new Common.API.Widget()
Methods	sendReadyEvent() sendExitEvent() sendReturnEvent() blockNavigation() putInnerHTML()
Parameter	None
Return Value	Widget object
Remarks	Since Samsung Smart TV version 2.265
Example	<pre>var widgetAPI = new Common.API.Widget(); widgetAPI.sendReadyEvent();</pre>
Members	None

Methods

sendReadyEvent

The sendReadyEvent() method notifies the Application Manager that the application is ready to be displayed. This event is passed to the display and the application is run on the screen.

Syntax	sendReadyEvent()
Parameter	None
Return Value	None
Enumeration	None
Remarks	Since Samsung Smart TV version 2.265

sendReadyEvent

The sendReadyEvent() method notifies the Application Manager that the application is ready to be displayed. This event is passed to the display and the application is run on the screen.

Example	<pre>var widgetAPI = new Common.API.Widget(); widgetAPI.sendReadyEvent();</pre>
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sendExitEvent

The sendExitEvent() method brings about the same effect as pressing the **Exit** key. Stops the application and returns to the TV screen.

Syntax	sendExitEvent()
Parameter	None
Return Value	None
Enumeration	None
Remarks	Since Samsung Smart TV version 2.265
Example	<pre>var widgetAPI = new Common.API.Widget(); widgetAPI.sendExitEvent();</pre>

sendReturnEvent

The sendReturnEvent() method brings about the same effect as pressing the **Return** key. Finishes the application and takes you to the Application Manager.

Syntax	sendReturnEvent()
Parameter	None
Return Value	None
Enumeration	None
Remarks	Since Samsung Smart TV version 2.265
Example	<pre>var widgetAPI = new Common.API.Widget(); widgetAPI.sendReturnEvent();</pre>

blockNavigation

The blockNavigation() method ensures that key event cannot be forced to return.

Syntax	blockNavigation(keyEvent)
Parameter	keyEvent: Key event
Return Value	None
Enumeration	None
Remarks	<p>The KEY_RETURN and KEY_EXIT events forcibly close the operating application. The function prevents forced closure and keep being executing.</p> <p>Since Samsung Smart TV version 2.265</p>

blockNavigation

The blockNavigation() method ensures that key event cannot be forced to return.

Example

```
function keyDown() {  
    switch(event.keyCode) {  
        case this.tvKey.KEY_LEFT:  
            // Do something  
            break;  
        case this.tvKey.KEY_RIGHT:  
            // Do something  
            break;  
        case this.tvKey.KEY_RETURN:  
            widgetAPI.blockNavigation(event);  
            // Not terminated  
            break;  
        case this.tvKey.KEY_EXIT:  
            // Terminated by force  
            break;  
        default:  
            break;  
    }  
}
```

putInnerHTML

The putInnerHTML() method fixes memory issues.

Syntax

putInnerHTML(div, contents)

Parameter

div: Div Element to use innerHTML

contents: Things to insert in innerHTML

Return Value

None

Enumeration

None

Remarks

Required to use this method because the repetitive use of innerHTML can cause memory issues.

Since Samsung Smart TV version 2.265

Example

```
var widgetAPI = new Common.API.Widget();  
var divElement = document.getElementById("divID");  
var contents = "Text to change";  
widgetAPI.putInnerHTML(divElement, contents);
```