

# **[Tutorial] LG Web\_Integrating Banner Advertisement into Web Application**

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**LGDEV-082**

Home Entertainment Company  
LG Electronics, Inc.

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# About This Document

## Revision History

Document Version	Date	Comment
1.0	October 11, 2012	Initial Version

## Purpose

This document describes how to integrate the banner advertisements into web applications using LG Web Open API.

## Reference Documents

Refer to the following documents:

- LG Web Application Development Guide
- LG Advertisement API Reference Guide

## Conventions

### Codes

Source code and examples are indicated in the `grey Courier New` font.

### Note, Caution

Note and caution are used to emphasize information.  
The following samples describe when each is used.

---

#### Note

Contains information about something that is helpful to you.

---

---

#### Caution

Contains important information about something that you should know.

---

## Abbreviation

The following table defines the abbreviations used in this document.

Abbreviation	Description
AD	Advertisement
API	Application Programming Interface

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# 1 Introduction

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This chapter provides an overview of this application and needed APIs.

1.1 Overview

1.2 Needed APIs

## 1.1 Overview

This application is designed to show which method, properties, and events of LG Web Open API are used to use banner advertisement function on web applications in LG Smart TV.

Developers can integrate advertisements into their web applications using the Ad API that resides in the Smart Platform Library Server.

The BannerAd class is used to display a banner advertisement on web applications.

LG Smart TV SDK | Web Open API Tutorial  
File : advertisement/app/bannerAd.html

Methods	Properties	Events
displayBanner() selfFocus() removeFocus() removeAd() refreshAd()	isExist	ad_present (event) ad_absent (event) ad_completed (event) ad_focused (event) ad_clicked (event)

**View** **Source**

- 728x90 at (50,100)
- 728x90 at (200,500)
- 300x250 at (50,100)
- 300x250 at (200,300)
- 180x150 at (50,100)
- 180x150 at (200,500)

Press Up key to set and remove focus on Banner Ad in full screen

BACK EXIT Copyright LG Electronics

[Figure 1] Web Application using Banner advertisement API

## 1.2 Needed APIs

This application uses following Web Open API:

[Table 1] Description of the Needed APIs

API Class	Name	Description
Method	displayBanner	Displays a banner advertisement on an HTML page.
	setFocus	Sets the focus on the banner.
	removeFocus	Removes the focus from the banner.
	removeAd	Removes the banner and releases all the banner resources.
	refreshAd	Refreshes the banner.
Property	isExist	Tells whether the requested banner is currently displaying or it is not.
Event	ad_present	Fired when there is a banner ad to display.
	ad_absent	Fired when there is no banner ad to display.
	ad_complete	Fired when the banner ad display is finished.
	ad_focused	Fired when the banner ad is focused.
	ad_clicked	Fired when the banner ad is clicked or enter key is pressed during the banner is focused.

For more information on these functions, refer to “LG Advertisement API Reference Guide”

### Note

Log is used for checking the sequence of Web Open API; this will not be covered in the sample code description.



## 2 Creating Application

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This chapter describes how to use the banner advertisement on web application using Web open API.

- 2.1 Initializing the Page
- 2.2 Handling Button Click Events
- 2.3 Handling BannerAd Status Events
- 2.4 Inputting Keys
- 2.5 Setting BannerAd Object
- 2.6 Source Code of BannerAd.html



## 2.1 Initializing the Page

Use the **initPage** function to set the basic functions of the application.

- 04: Record the last visited page when running the application.
- 06: Initialize the page.
- 07: Get the source code of the page using the XMLHttpRequest object.
- 08: Set the page id..
- 09: Initialize the Log function.
- 11-20: Add event handlers which will be executed when the corresponding button is pressed

### Sample Code

```
01 : function initPage(){
02 :
03 :     //save page as last visited page
04 :         setLastVisitPage();

05 :         //common initialize function
06 :         commonInitialize();
07 :         requestSourceCode();
08 :         setPageID("BannerAd");
09 :         jsLog.initLG();

10 : //add onclick event handler
11 : addEventHandler(document.getElementById("btn_back"), "click",
onClickHandler);
12 : addEventHandler(document.getElementById("btn_exit"), "click",
onClickHandler);

13 : addEventHandler(document.getElementById("btn_close"), "click",
closeFullScreen);
14 : addEventHandler(document.getElementById("btn_refresh"), "click",
refresh);

15 : addEventHandler(document.getElementById("style1"), "click",
display_custom_leaderboard_x50_y100);
16 : addEventHandler(document.getElementById("style2"), "click",
display_custom_leaderboard_x200_y500);
17 : addEventHandler(document.getElementById("style3"), "click",
display_custom_medrect_x50_y100);
18 : addEventHandler(document.getElementById("style4"), "click",
display_custom_medrect_x200_y300);
19 : addEventHandler(document.getElementById("style5"), "click",
display_custom_rect_x50_y100);
20 : addEventHandler(document.getElementById("style6"), "click",
display_custom_rect_x200_y500);
21 : }
```

## 2.2 Handling Button Click Events

The following functions are event handlers which were added in **initPage** function.

### **display\_custom\_leaderboard\_x50\_y100**

- 03: Calling showFullScreenWithButtonArea() function.
- 04: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.
- 05: lgmethod to display log in console.
- 06: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 07: lgmethod to display log in console .

### **display\_custom\_leaderboard\_x200\_y500**

- 11: Calling showFullScreenWithButtonArea() function.
- 12: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.
- 13: lgmethod to display log in console.
- 14: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 15: lgmethod to display log in console.

### **display\_custom\_medrect\_x50\_y100**

- 19: Calling showFullScreenWithButtonArea() function.
- 20: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.
- 21: lgmethod to display log in console.
- 22: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 23: lgmethod to display log in console.

### **display\_custom\_medrect\_x200\_y300**

- 27: Calling showFullScreenWithButtonArea() function.
- 28: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.
- 29: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 30: lgmethod to display log in console.

### **display\_custom\_rect\_x50\_y100**

- 34: Calling showFullScreenWithButtonArea() function.
- 35: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.
- 36: lgmethod to display log in console.
- 37: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 38: lgmethod to display log in console.

### **display\_custom\_rect\_x200\_y500**

- 42: Calling showFullScreenWithButtonArea() function.
- 43: BannerAd class is used to display a banner advertisement on web applications.  
fullScreenContent is the name of the div that will contain the banner div.  
The adStatusCBfunc callback function is used to handle the banner ad status events.

- 44: lgmethod to display log in console.
- 45: displayBanner function displays a banner advertisement on an HTML page. When the banner is clicked, full-size ad is displayed on the screen.
- 46: lgmethod to display log in console.

### Sample Code

```

01 : function display_custom_leaderboard_x50_y100 ()
02 : {
03 :   showFullScreenWithButtonArea();
04 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_leaderboard_x50_y100', adStatusCBfunc);
05 :   jsLog.lgmethod('BannerAd');
06 :   bannerAd.displayBanner();
07 :   jsLog.lgmethod('displayBanner');
08 : }

09 : function display_custom_leaderboard_x200_y500 ()
10 : {
11 :   showFullScreenWithButtonArea();
12 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_leaderboard_x200_y500', adStatusCBfunc);
13 :   jsLog.lgmethod('BannerAd');
14 :   bannerAd.displayBanner();
15 :   jsLog.lgmethod('displayBanner');
16 : }

17 : function display_custom_medrect_x50_y100 ()
18 : {
19 :   showFullScreenWithButtonArea();
20 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_medrect_x50_y100', adStatusCBfunc);
21 :   jsLog.lgmethod('on BannerAd()');
22 :   bannerAd.displayBanner();
23 :   jsLog.lgmethod('displayBanner');
24 : }

25 : function display_custom_medrect_x200_y300 ()
26 : {
27 :   showFullScreenWithButtonArea();
28 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_medrect_x200_y300', adStatusCBfunc);
29 :   bannerAd.displayBanner();
30 :   jsLog.lgmethod('displayBanner');
31 : }

32 : function display_custom_rect_x50_y100 ()
33 : {
34 :   showFullScreenWithButtonArea();
35 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_rect_x50_y100', adStatusCBfunc);
36 :   jsLog.lgmethod('BannerAd');
37 :   bannerAd.displayBanner();
38 :   jsLog.lgmethod('displayBanner');
39 : }

40 : function display_custom_rect_x200_y500 ()
41 : {
42 :   showFullScreenWithButtonArea();
43 :   bannerAd = new BannerAd(null, 'fullScreenContent',
    'custom_rect_x200_y500', adStatusCBfunc);
44 :   jsLog.lgmethod('on BannerAd()');
45 :   bannerAd.displayBanner();
46 :   jsLog.lgmethod('on displayBanner');

```

```
47 : }
```

The following functions are event handlers which were added in **checkNetCastVersion** function.

### **showFullScreenWithButtonArea**

It shows full screen on click of the respective button.

03: It is calling showFullScreenOnly function with Boolean variable as parameter.

#### **Sample Code**

```
01 : function showFullScreenWithButtonArea()  
02 : {  
03 :   showFullScreenOnly(true);  
04 : }
```

### **showFullScreenOnly**

The showFullScreenOnly() function is called inside the showFullScreenWithButtonArea().

03: Calculating Declare the mainBody.  
04: Declare the fullScreenContent.  
05: Set the visibility of mainbody as hidden.  
06: Set the visibility of fullScreenContent as visible.  
07: If th bShowButtonArea is true.  
09: Declare the SuiteButtonArea.  
10: Set the visibility of bottomArea as hidden.

#### **Sample Code**

```
01 : function showFullScreenOnly(bShowButtonArea)  
02 : {  
03 :   var mainBody = document.getElementById("mainBody");  
04 :   var fullScreenContent =  
       document.getElementById("fullScreenContent");  
  
05 :   mainBody.style.visibility = "hidden";  
06 :   fullScreenContent.style.visibility = "visible";  
  
07 :   if(bShowButtonArea === true)  
08 :   {  
09 :     var bottomArea = document.getElementById("SuiteButtonArea");  
  
10 :     bottomArea.style.visibility = "hidden";  
11 :   }  
12 : }
```

### **closeFullScreen**

This function will call on click of Close button.

02: If isExist property of banner return true.  
03: Call removeAd() function of BannerAd.  
04: calling hideFullScreen() function to hide full screen option.

#### **Sample Code**

```
01 : function closeFullScreen () {  
02 :   if (bannerAd.isExist) {  
03 :     jsLog.lgproperty('isExist : ' + bannerAd.isExist);  
04 :     bannerAd.removeAd();  
05 :     jsLog.lgmethod('removeAd');  
06 :   }  
07 :   hideFullScreen();  
}
```

```
08 : }
```

### hideFullScreen

It will hide full screen option from screen.

- 03: Declare main body.
- 04: Declare fullScreenContent.
- 05: Set opacity of mainBody as 1.
- 06: Set visibility of mainBody as visible.
- 07: Set visibility of fullScreenContent as hidden.
- 08: Declare SuiteButtonArea.
- 09: Set visibility of bottomArea as visible.

### Sample Code

```
01 : function hideFullScreen()
02 : {
03 :   var mainBody = document.getElementById("mainBody");
04 :   var fullScreenContent =
    document.getElementById("fullScreenContent");

05 :   mainBody.style.opacity = 1;
06 :   mainBody.style.visibility = "visible";
07 :   fullScreenContent.style.visibility = "hidden";

08 :   var bottomArea = document.getElementById("SuiteButtonArea");
09 :   bottomArea.style.visibility = "visible";
10 : }
```

### refresh

This function will call on click of Refresh button.

- 02: It is calling refreshAd() function of BannerAd to refresh the banner.

### Sample Code

```
01 : function refresh() {
02 :     bannerAd.refreshAd();
03 :     jsLog.lgmethod('refreshAd');
04 : }
```

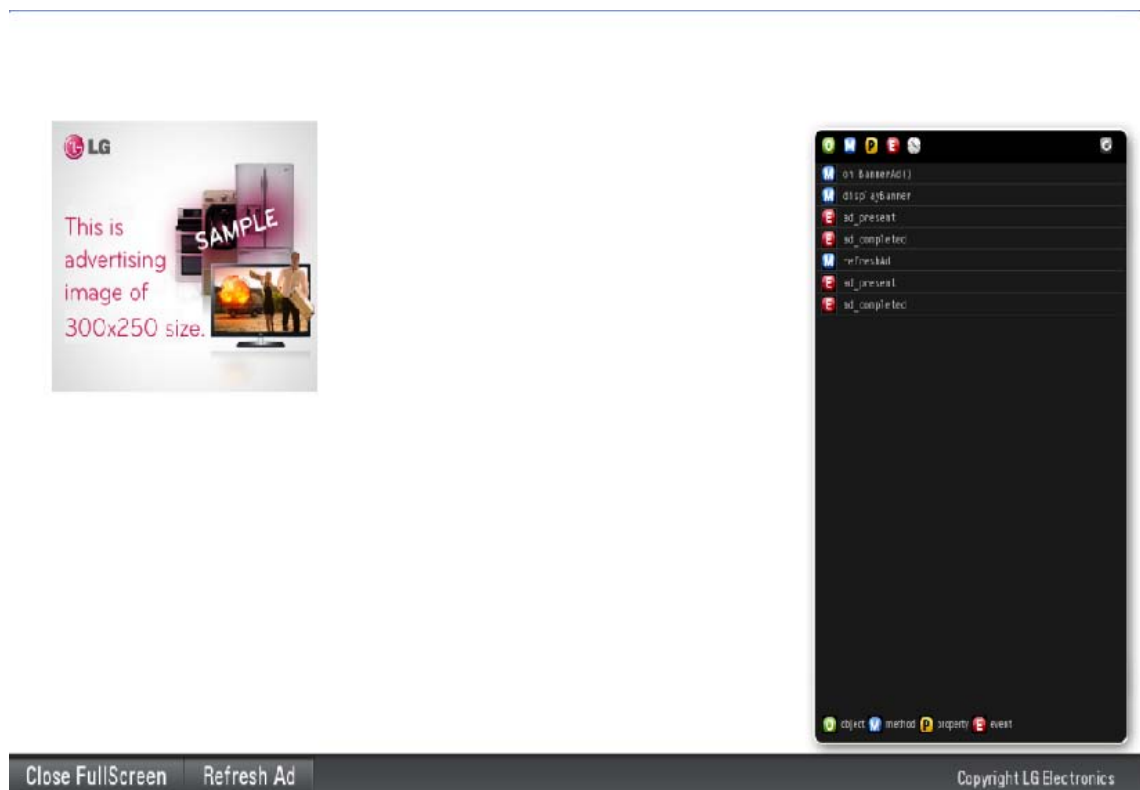
## 2.3 Handling BannerAd Status Events

BannerAd class fires a few events about the banner ad status. In order to listen to those events, developers should implement a callback function and pass the function name as the fourth parameter of the BannerAd constructor. The adStatusCBfunc callback function is used to handle the banner ad status events.

- 01: It will receive events as parameter from BannerAd constructor.
- 03: ad\_present event is fired when there is a banner ad to display.
- 04: ad\_absent event is fired when there is no banner ad to display.
- 05: ad\_completed is fired when the banner ad display is finished or the event is fired immediately after ad\_absent event.
- 06: ad\_focused is fired when the banner ad is focused.
- 07: ad\_clicked is fired when the banner ad is clicked or enter key is pressed during the banner is focused.

### Sample Code

```
01 : function adStatusCBfunc (adStatus)
02 : {
03 :   if (adStatus == "ad_present") jsLog.lgevent('ad_present');
04 :   else if (adStatus == "ad_absent") jsLog.lgevent('ad_absent');
05 :   else if (adStatus == "ad_completed")
06 :     jsLog.lgevent('ad_completed');
07 :   else if (adStatus == "ad_focused") jsLog.lgevent('ad_focused');
08 :   else if (adStatus == "ad_clicked")
09 :     jsLog.lgevent('ad_clicked');
10 : }
```



[Figure 2] Displaying Banner Event

## 2.4 Inputting Keys

Use **onUserInput** function is called by onClickHandler function; it receives a key value as the userInput parameter from onClickHandler and creates the corresponding function for each key value to operate the key.

05: When the back key is pressed, it will open previous page.

06: When the up key is pressed, showFocussed function is called.

### Sample Code

```
01 : function onUserInput(userInput)
02 : {
03 :   switch(userInput)
04 :   {
05 :     case VK_BACK :
      window.location.replace("../menu_advertisement.html"); break;
06 :     case VK_UP :
      showFocused();
07 :     break;
08 :   }
09 : }
```

### showFocused

The showFocused() function is called on press of VK\_UP button .

03: If bFocus is true

05: isExist is a Boolean type read-only property that tells whether the requested banner is currently displaying or it is not

07: Sets the focus on the banner.

10: bFocus is set as false.

14: isExist is a Boolean type read-only property that tells whether the requested banner is currently displaying or it is not.

16: Removes the focus from the banner.

19: set bFocus as true.

### Sample Code

```
01 : function showFocused()
02 : {
03 :   if(bFocus)
04 :   {
05 :     if (bannerAd.isExist)
06 :     {
07 :       bannerAd.setFocus(); // the banner gets focused
08 :       jsLog.lgmethod('setFocus');
09 :     }
10 :     bFocus = false;
11 :   }
12 :   Else
13 :   {
14 :     if (bannerAd.isExist)
15 :     {
16 :       bannerAd.removeFocus(); // the banner gets focused
17 :       jsLog.lgmethod('removeFocus');
18 :     }
19 :     bFocus = true;
20 :   }
21 : }
```

## 2.5 Setting Advertisement Object

The following code shows how to set voice recognition object.

- 01: Set id value as 'service.
- 02: Set data type. Refer to "LG Web Application Development Guide" for related information.
- 03: The width and height property can be used when the Banner Advertisement is in full screen mode..

### Sample Code

```
01 : <object id="service"  
02 :   type="application/x-netcast-service"  
03 :   width= height=0>  
04 : </object>
```



## 2.6 Source Code of bannerAd.html

Source code of bannerAd.html is as follows:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>

<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>App Template of API Unit Sample App</title>
<link rel="stylesheet" href="../../css/style.css">
<script language="javascript" src="../../js/keycode.js"></script>
<script language="javascript" src="../../js/common.js"></script>
<script language="javascript" src="../../js/menu.js"></script>
<script type="text/javascript" src="../../blackbirdjs/blackbird.js"></script>
<link type="text/css" rel="Stylesheet" href="../../blackbirdjs/blackbird.css"
/>
<script type="text/javascript" onload='scriptLoaded=true' onerror='scriptLoaded=false'
src="http://smartservice.lgappstv.com/library/apps/ad/lib/bannerAd.js"></script>
<script type="text/javascript">
    var bannerAd = null;
    var bFocus = true;
    //initialize page
    function initPage() {
        //save as last visited page
        setLastVisitPage();

        //common initialize function
        commonInitialize();
        requestSourceCode();
        setPageID("BannerAd");
        jsLog.initLG();

        //add onclick event handler
        addEventHandler(document.getElementById("btn_back"), "click", onClickHandler);
        addEventHandler(document.getElementById("btn_exit"), "click", onClickHandler);

        addEventHandler(document.getElementById("btn_close"), "click", closeFullScreen);
        addEventHandler(document.getElementById("btn_refresh"), "click", refresh);

        addEventHandler(document.getElementById("style1"), "click", display_custom_leaderboard_x50_y100);
        addEventHandler(document.getElementById("style2"), "click", display_custom_leaderboard_x200_y500);
        addEventHandler(document.getElementById("style3"), "click", display_custom_medrect_x50_y100);
        addEventHandler(document.getElementById("style4"), "click", display_custom_medrect_x200_y300);
        addEventHandler(document.getElementById("style5"), "click", display_custom_rect_x50_y100);
```

```
        addEventHandler(document.getElementById("style6"), "click", display_custom_rect_x200_y500);
    }

    function onUserInput(userInput) {
        switch (userInput) {
            case VK_BACK:
                window.location.replace("../menu_advertisement.html");
                break;
            case VK_UP:
                showFocused();
                break;
        }
    }

    function showFocused() {
        if (bFocus) {
            if (bannerAd.isExist) {
                bannerAd.setFocus(); // the banner gets focused
                jsLog.lgmethod('setFocus');
            }
            bFocus = false;
        } else {
            if (bannerAd.isExist) {
                bannerAd.removeFocus(); // the banner gets focused
                jsLog.lgmethod('removeFocus');
            }
            bFocus = true;
        }
    }

    function display_custom_leaderboard_x50_y100() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_leaderboard_x50_y100', adStatusCBfunc);
        jsLog.lgmethod('BannerAd');
        bannerAd.displayBanner();
        jsLog.lgmethod('displayBanner');
    }

    function display_custom_leaderboard_x200_y500() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_leaderboard_x200_y500', adStatusCBfunc);
        jsLog.lgmethod('BannerAd');
        bannerAd.displayBanner();
    }
}
```

```
        jsLog.lgmethod('displayBanner');
    }

    function display_custom_medrect_x50_y100() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_medrect_x50_y100', adStatusCBfunc);
        jsLog.lgmethod('on BannerAd()');
        bannerAd.displayBanner();
        jsLog.lgmethod('displayBanner');
    }

    function display_custom_medrect_x200_y300() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_medrect_x200_y300', adStatusCBfunc);
        bannerAd.displayBanner();
        jsLog.lgmethod('displayBanner');
    }

    function display_custom_rect_x50_y100() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_rect_x50_y100', adStatusCBfunc);
        jsLog.lgmethod('BannerAd');
        bannerAd.displayBanner();
        jsLog.lgmethod('displayBanner');
    }

    function display_custom_rect_x200_y500() {
        showFullScreenWithButtonArea();
        bannerAd = new BannerAd(null, 'fullScreenContent', 'custom_rect_x200_y500', adStatusCBfunc);
        jsLog.lgmethod('on BannerAd()');
        bannerAd.displayBanner();
        jsLog.lgmethod('on displayBanner');
    }

    function adStatusCBfunc(adStatus) {
        if (adStatus == "ad_present") jsLog.lgevent('ad_present');

        else if (adStatus == "ad_absent") jsLog.lgevent('ad_absent');

        else if (adStatus == "ad_completed") jsLog.lgevent('ad_completed');

        else if (adStatus == "ad_focused") jsLog.lgevent('ad_focused');

        else if (adStatus == "ad_clicked") jsLog.lgevent('ad_clicked');
```

```
}

function showFullScreenWithButtonArea() {
    showFullScreenOnly(true);
}

function closeFullScreen() {
    if (bannerAd.isExist) {
        jsLog.lgproperty('isExist : ' + bannerAd.isExist);
        bannerAd.removeAd();
        jsLog.lgmethod('removeAd');
    }
    hideFullScreen();
}

function refresh() {
    bannerAd.refreshAd();
    jsLog.lgmethod('refreshAd');
}

function showFullScreenOnly(bShowButtonArea) {
    var mainBody = document.getElementById("mainBody");
    var fullScreenContent = document.getElementById("fullScreenContent");

    mainBody.style.visibility = "hidden";
    fullScreenContent.style.visibility = "visible";

    if (bShowButtonArea === true) {
        var bottomArea = document.getElementById("SuiteButtonArea");

        bottomArea.style.visibility = "hidden";
    }
}

function hideFullScreen() {
    var mainBody = document.getElementById("mainBody");
    var fullScreenContent = document.getElementById("fullScreenContent");

    mainBody.style.opacity = 1;
    mainBody.style.visibility = "visible";
    fullScreenContent.style.visibility = "hidden";
}
```

```

        var bottomArea = document.getElementById("SuiteButtonArea");
        bottomArea.style.visibility = "visible";
    }
</script>
</head>

<body ondragstart='return false' onselectstart='return false' onload="javascript:initPage();">
    <div id='mainBody' class='mainBody'>
        <!-- title -->
        <div class='SuiteTitle'>LG Smart TV SDK | Web Open API Tutorial</div>
        <!-- navigation -->
        <div class='SuiteNavigation'>
            <div style="float:left;">File : advertisement/app/bannerAd.html</div>
        </div>
        <div class='SuiteTitleLine'></div>
        <!-- test contents -->
        <div id='content_body' class='ContentArea'>
            <div class='ApiListTitleArea'>Web Open API List</div>
            <div class='ApiListArea'>
                <div class='MethodTitleArea'>Methods
                    <div class='MethodListArea'>displayBanner()
                        <br>setFocus()
                        <br>removeFocus()
                        <br>removeAd()
                        <br>refreshAd()
                    </div>
                </div>
                <div class='PropertyTitleArea'>Properties
                    <div class='PropertyListArea'>isExist</div>
                </div>
                <div class='EventTitleArea'>Events
                    <div class='EventListArea'>ad_present (event)
                        <br>ad_absent (event)
                        <br>ad_completed (event)
                        <br>ad_focused (event)
                        <br>ad_clicked (event)
                    </div>
                </div>
            </div>
            <div class='ViewTitleArea'>
                <div id='tabViewArea' class='SelectedViewArea' style='float:left;' onclick="showView();">View</div>
                <div id='tabCodeArea' class='UnselectedViewArea' style='float:right;' onclick='showCode();'>Source</div>
            </div>
            <div id='view' class='ViewArea'>

```

```

        <table border="0">
            <tr>
                <td width="325">
                    <div id="style1" class="executeBigButton">728x90 at (50,100)</div>
                </td>
                <td rowspan="6" width="260">
                    <div id="diplayArea" class="diplayAreaStyle">Press Up key to set and remove focus on
Banner Ad in full screen</div>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="style2" class="executeBigButton">728x90 at (200,500)</div>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="style3" class="executeBigButton">300x250 at (50,100)</div>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="style4" class="executeBigButton">300x250 at (200,300)</div>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="style5" class="executeBigButton">180x150 at (50,100)</div>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="style6" class="executeBigButton">180x150 at (200,500)</div>
                </td>
            </tr>
            <tr height="50px">
                <td colspan="2" align="left">
                    <div id="APIdescription"></div>
                </td>
            </tr>
        </table>
    </div>
    <div style="visibility: hidden" id='codeview'>
        <textarea class="SourceCodeArea" value="" id='sourcecode'></textarea>
    </div>

```

```

        </div>
        <!-- description -->
        <div class='SuiteDescription' id='back_exit_test_description'></div>
        <!-- button and copyright -->
        <div id='SuiteButtonArea' class='SuiteButtonArea'>
            <!-- back key description -->
            <div id='btn_back' class='buttonDescription'>BACK</div>
            <!-- exit button -->
            <div id='btn_exit' class='buttonDescription'>EXIT</div>
            <!-- copyright -->
            <div class='copyright'>Copyright LG Electronics</div>
        </div>
    </div>
    <!-- end of mainBody DIV -->
    <div id='fullScreenContent' class='fullScreenContent'>
        <object id="service" type="application/x-netcast-service" width=0 height=0></object>
        <div id='fullScreenButtonArea' class='SuiteButtonArea'>
            <!-- back key description -->
            <div id='btn_close' class='buttonDescription'>Close FullScreen</div>
            <!-- exit button -->
            <div id='btn_refresh' class='buttonDescription'>Refresh Ad</div>
            <!-- copyright -->
            <div class='copyright'>Copyright LG Electronics</div>
        </div>
    </div>
</body>

</html>

```