

CAPH.WUI.WIDGET.DOM

DomContainer Represents a rectangle container that could only append dom element in it. Using this container is a good way to make dom element shown on the screen. The dom element would be appended one by one, and the class of element would be applied.

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Methods

triggerKeyEvent	
Description	
Execute Key event handler and behaviors attached to the matched elements for the given event type.	
Parameters	<ul style="list-style-type: none">■eventType<ul style="list-style-type: none">- String- such as 'keydown', 'keypress', 'keyup' and so on.■data (Optional)<ul style="list-style-type: none">- Object- Additional data for the key event■element (Optional)<ul style="list-style-type: none">- Object- The element to be applied attached handler
Return	<ul style="list-style-type: none">■Object<ul style="list-style-type: none">- the dom element
Emulator Support	Y
SDK Constraint	none
Example	

```
var el = document.getElementById("test");
var flag = false;
el.addEventListener('keydown', function(e){
    if(e&& e.keyCode === caph.platform.Key.ENTER){
        flag = true;
    }
}, false);
caph.wui.widget.Dom.triggerKeyEvent('keydown', caph.platform.Key.ENTER, el);
```

triggerMouseEvent

Description

Execute event handler and behaviors attached to the matched elements for the given event type.

Parameters	<ul style="list-style-type: none">■eventType<ul style="list-style-type: none">- String- such as 'click', 'mouseover', 'mousedown' and so on.■data (Optional)<ul style="list-style-type: none">- Object- Additional data for the mouse event■element (Optional)<ul style="list-style-type: none">- Object- The element to be applied attached handler
Return	<ul style="list-style-type: none">■Object<ul style="list-style-type: none">- the dom element
Emulator Support	Y
SDK Constraint	none

Example

```
var el = document.getElementById("testdiv");
var flag = false;
el.addEventListener('mouseup', function(e){
    flag = true;
}, false);
caph.wui.widget.Dom.triggerMouseEvent('mouseup', {
    clientX: 10,
    clientY: 10
}, el);
```

getStyle

Description

Returns a value of specified style property in element

Parameters	<ul style="list-style-type: none">■element<ul style="list-style-type: none">- Object- The element to get style■prop<ul style="list-style-type: none">- String- The property of style
Return	<ul style="list-style-type: none">■String<ul style="list-style-type: none">- the value of style property
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el and prop are given
function foo(el, prop) {
  if(caph.wui.widget.Dom.getStyle(el, 'position') === 'fixed') {
    //Let's say doSomething() is given
    doSomething(el);
  }
}
```

getBoundingOffset

Description

Returns an offset of an element

Parameters	<div>■el</div> <div>- Object</div> <div>- The parent element to be bounded</div> <div>■mode</div> <div>- String</div> <div>- The mode to be applied</div>
Return	<div>■Object</div> <div>- the offset of an element</div>
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el is given
function foo(el) {
  parentOffset = caph.wui.widget.Dom.getBoundingOffset(el);
  // Let's say doSomething() is given
  doSomething(parentOffset);
}
```

getOffsetParent

Description

Returns first element which property value of position is not static among ancestor.

Parameters	<div>■el</div> <div>- Object</div> <div>- The parent to get offset</div>
Return	<div>■Object</div> <div>- the first element</div>
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el is given
function foo(el) {
  offsetParent = caph.wui.widget.Dom.getOffsetParent(el);
  //Let's say doSomething() is given
  doSomething(offsetParent);
}
```

getPosition

Description

Returns a result that subtract parent offsets and element margins on offset of an element

Parameters	<ul style="list-style-type: none"> ■el <ul style="list-style-type: none"> - Object - The element of get position
Return	<ul style="list-style-type: none"> ■Object <ul style="list-style-type: none"> - the result of getPosition
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el is given
function foo(el) {
  if(!caph.wui.widget.Dom.getPosition(el).top < 0) {
    // Let's say doSomething() is given
    doSomething(el);
  }
}
```

getVisible

Description

Checks whether element is visible.

Parameters	<ul style="list-style-type: none"> ■el <ul style="list-style-type: none"> - Object - The element to be checked its visibility
Return	<ul style="list-style-type: none"> ■Boolean <ul style="list-style-type: none"> - true : visible - false : not visible
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el is given
function foo(el) {
  if(caph.wui.widget.Dom.getVisible(el)) {
    // Let's say doSomething() is given
    doSomething(el);
  }
}
```

getBoundingRect

Description

Returns offset, size and margin(optional) property value of an element

Parameters	<ul style="list-style-type: none"> ■el <ul style="list-style-type: none"> - Object - The element to be bounded ■mode (Optional) <ul style="list-style-type: none"> - String - The mode to be applied
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Return	■Object <ul style="list-style-type: none"> - Object * left : left * top : top * width : width * height : height * right : left+width * bottom : top+height - margin * left : marginLeft * right : marginRight * top : marginTop * bottom : marginBottom
Emulator Support	Y
SDK Constraint	none

Example

```
//Let's say el is given
var bound = caph.wui.widget.Dom.getBoundingRect(el);
l = bound.left;
t = bound.top;
w = bound.width;
h = bound.height;
//Let's say doSomething() is given
doSomething(l, t, w, h);
```

hasClass

Description

Checks whether an element contains a specified class

Parameters	■element <ul style="list-style-type: none"> - Object - The element to be checked ■classnm <ul style="list-style-type: none"> - String - The name of class to be removed
Return	■Boolean <ul style="list-style-type: none"> - true : if it has one - false : otherwise.
Emulator Support	Y
SDK Constraint	none

Example

```
function foo(a) {
  // Let's say el and cl are given
  if(!caph.wui.widget.Dom.hasClass(el, cl)) {
    //Let's say doSomething() is given
    doSomething(el, cl);
  }
}
```

addClass

Description

Adds a specified class to an element

Parameters	■element <ul style="list-style-type: none"> - Object - The element to be checked ■classnm <ul style="list-style-type: none"> - String - The name of class to be removed
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Return	■ Boolean <ul style="list-style-type: none"> - true : if it succeed - false : otherwise.
Emulator Support	Y
SDK Constraint	none
Example	
<pre>function foo(a){ //let's say el and cl are given if(!caph.wui.widget.Dom.hasClass(el, cl)) { caph.wui.widget.Dom.addClass(el, cl) } }</pre>	
removeClass	
Description	
Removes a specified class from an element	
Parameters	■ element <ul style="list-style-type: none"> - Object - The element to be checked ■ classnm <ul style="list-style-type: none"> - String - The name of class to be removed
Return	■ Boolean <ul style="list-style-type: none"> - true : if it succeed - false : otherwise.
Emulator Support	Y
SDK Constraint	none
Example	
<pre>function foo(a){ //Let's say el and cl are given if(caph.wui.widget.Dom.hasClass(el, cl)) { caph.wui.widget.Dom.removeClass(el, cl) } }</pre>	
triggerEvent	
Description	
Execute handler and behaviors attached to the matched elements for the given event type.	
Parameters	■ eventType <ul style="list-style-type: none"> - String - such as 'focuschange', 'keydown', 'mouseover' and so on. ■ data (Optional) <ul style="list-style-type: none"> - Object - Additional data for the event ■ element (Optional) <ul style="list-style-type: none"> - Object - The element to be applied attached handler.
Return	■ Void

Emulator Support	Y
SDK Constraint	none
Example	
<pre>var el = document.getElementById("test"); var flag = false; el.addEventListener('keydown', function(e){ if(e&& e.keyCode === caph.platform.Key.ENTER){ flag = true; } }, false); caph.wui.widget.Dom.triggerEvent('keydown', caph.platform.Key.ENTER, el);</pre>	
setStyle	
Description	
Sets the CSS property value of element directly.	
Parameters	<div> <div>■element</div> <ul style="list-style-type: none"> - HTML Document Element - The element to be applied CSS properties </div> <div> <div>■style</div> <ul style="list-style-type: none"> - String - CSS properties to be added to the element </div>
Return	<div> <div>■Void</div> </div>
Emulator Support	Y
SDK Constraint	none
Example	
<pre>var el = document.getElementById('test'); caph.wui.widget.Dom.setStyle(el, 'width:500px'); caph.wui.widget.Dom.setStyle(el, 'margin:20px');</pre>	