

GWT - UIOBJECT CLASS

http://www.tutorialspoint.com/gwt/gwt_uiobject_class.htm

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Introduction

The class **UIObject** is the superclass for all user-interface objects. It simply wraps a DOM element, and cannot receive events. It provides direct child classes like Widget, MenuItem, MenuItemSeparator, TreeItem.

- All UIObject objects can be styled using CSS.
- Every UIObject has a primary style name that identifies the key CSS style rule that should always be applied to it.
- More complex styling behavior can be achieved by manipulating an object's secondary style names.

Class declaration

Following is the declaration for **com.google.gwt.user.client.ui.UIObject** class:

```
public abstract class UIObject
    extends java.lang.Object
```

Field

Following are the fields for **com.google.gwt.user.client.ui.UIObject** class:

- **public static final java.lang.String DEBUG_ID_PREFIX** -- The element ID that you specify will be prefixed by the static string DEBUG_ID_PREFIX.

Class constructors

S.N.	Constructor & Description
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1	UIObject
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This creates a UIObject for the child classes.

Class methods

S.N.	Method & Description
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1	void addStyleDependentName <i>java. lang. StringstyleSuffix</i>
---	--

Adds a dependent style name by specifying the style name's suffix.

2	void addStyleName <i>java. lang. Stringstyle</i>
---	---

Adds a secondary or dependent style name to this object.

3	static void ensureDebugIdElement <i>elem, java. lang. Stringid</i>
---	---

Ensure that elem has an ID property set, which allows it to integrate with third-party

libraries and test tools.

- 4 **protected static void ensureDebugId***Elementelem, java. lang. StringbaseID, java. lang. Stringid*
Set the debug id of a specific element.
- 5 **ensureDebugId***java. lang. Stringid*
Ensure that the main Element for this UIObject has an ID property set, which allows it to integrate with third-party libraries and test tools.
- 6 **int getAbsoluteLeft**
Gets the object's absolute left position in pixels, as measured from the browser window's client area.
- 7 **int getAbsoluteTop**
Gets the object's absolute top position in pixels, as measured from the browser window's client area.
- 8 **Element getElement**
Gets a handle to the object's underlying DOM element.
- 9 **int getOffsetHeight**
Gets the object's offset height in pixels.
- 10 **int getOffsetWidth**
Gets the object's offset width in pixels.
- 11 **protected Element getStyleElement**
Template method that returns the element to which style names will be applied.
- 12 **java.lang.String getStyleName**
Gets all of the object's style names, as a space-separated list.
- 13 **protected static java.lang.String getStyleName***Elementelem*
Gets all of the element's style names, as a space-separated list.
- 14 **java.lang.String getStylePrimaryName**
Gets the primary style name associated with the object.

15	protected static java.lang.String getStylePrimaryName <i>Elementelem</i> Gets the element's primary style name.
16	java.lang.String getTitle Gets the title associated with this object.
17	boolean isVisible Determines whether or not this object is visible.
18	static boolean isVisible <i>Elementelem</i> Determines whether element is visible or not.
19	protected void onEnsureDebugId <i>java. lang. StringbaseID</i> Called when the user sets the id using the ensureDebugId <i>String</i> method.
20	void removeStyleDependentName <i>java. lang. StringstyleSuffix</i> Removes a dependent style name by specifying the style name's suffix.
21	void removeStyleName <i>java. lang. Stringstyle</i> Removes a style name.
22	protected void setElement <i>Elementelem</i> Sets this object's browser element.
23	protected void setElement <i>Elementelem</i> Sets this object's browser element.
24	void setHeight <i>java. lang. Stringheight</i> Sets the object's height.
25	void setPixelSize <i>intwidth, intheight</i> Sets the object's size, in pixels, not including decorations such as border, margin, and padding.
26	void setSize <i>java. lang. Stringwidth, java. lang. Stringheight</i> Sets the object's size.

- 27 **protected static void setStyleName***Elementelem, java. lang. StringstyleName*
Clears all of the element's style names and sets it to the given style.
- 28 **protected static void setStyleName***Elementelem, java. lang. Stringstyle, booleanadd*
This convenience method adds or removes a style name for a given element.
- 29 **void setStyleName***java. lang. Stringstyle*
Clears all of the object's style names and sets it to the given style.
- 30 **protected static void setStylePrimaryName***Elementelem, java. lang. Stringstyle*
Sets the element's primary style name and updates all dependent style names.
- 31 **void setStylePrimaryName***java. lang. Stringstyle*
Sets the object's primary style name and updates all dependent style names.
- 32 **void setTitle***java. lang. Stringtitle*
Sets the title associated with this object.
- 33 **void setVisible***booleanvisible*
Sets whether this object is visible.
- 34 **static void setVisible***Elementelem, booleanvisible*
Sets whether this element is visible
- 35 **void setWidth***java. lang. Stringwidth*
Sets the object's width.
- 36 **java.lang.String toString**
This method is overridden so that any object can be viewed in the debugger as an HTML snippet.
- 37 **void unsinkEvents***inteventBitsToRemove*
Removes a set of events from this object's event list.

Methods inherited

This class inherits methods from the following classes:

- java.lang.Object
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