**jQuery Dialog**

Dialog boxes are one of the nice ways of presenting information on an HTML page. A dialog box is a floating window with a title and content area. This window can be moved, resized, and of course, closed using "X" icon by default.

jQueryUI provides dialog() method that transforms the HTML code written on the page into HTML code to display a dialog box.

1. **Options - $(selector, context).dialog({option1: value1, option2: value2..... });**

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| **Option** | **Description** |
| **appendTo** | If this option is set to **false**, it will prevent the **ui-draggable** class from being added in the list of selected DOM elements. By default its value is **true**. |
| **autoOpen** | This option unless set to *false*, the dialog box is opened upon creation. When *false*, the dialog box will be opened upon a call to dialog('open'). By default its value is **true**. |
| **buttons** | This option adds buttons in the dialog box. These are listed as objects, and each property is the text on the button. The value is a callback function called when the user clicks the button. By default its value is **{}**. |
| **closeOnEscape** | Unless this option set to *false*, the dialog box will be closed when the user presses the Escape key while the dialog box has focus. By default its value is **true**. |
| **closeText** | This option contains text to replace the default of Close for the close button. By default its value is **"close"**. |
| **dialogClass** | If this option is set to **false**, it will prevent the **ui-draggable** class from being added in the list of selected DOM elements. By default its value is **""**. |
| **draggable** | Unless you this option to **false**, dialog box will be draggable by clicking and dragging the title bar. By default its value is **true**. |
| **height** | This option sets the height of the dialog box. By default its value is **"auto"**. |
| **hide** | This option is used to set the effect to be used when the dialog box is closed. By default its value is **null**. |
| **maxHeight** | This option sets maximum height, in pixels, to which the dialog box can be resized. By default its value is **false**. |
| **maxWidth** | This option sets the maximum width to which the dialog can be resized, in pixels. By default its value is **false**. |
| **minHeight** | This option is the minimum height, in pixels, to which the dialog box can be resized. By default its value is **150**. |
| **minWidth** | This option is the minimum width, in pixels, to which the dialog box can be resized. By default its value is **150**. |
| **modal** | If this option is set to **true**, the dialog will have modal behavior; other items on the page will be disabled, i.e., cannot be interacted with. Modal dialogs create an overlay below the dialog but above other page elements. By default its value is **false**. |
| **position** | This option specifies the initial position of the dialog box. Can be one of the predefined positions: *center (the default), left, right, top, or bottom*. Can also be a 2-element array with the left and top values (in pixels) as [left, top], or text positions such as ['right', 'top']. By default its value is **{ my: "center", at: "center", of: window }**. |
| **resizable** | This option unless set to **false**, the dialog box is resizable in all directions. By default its value is **true**. |
| **show** | This option is an effect to be used when the dialog box is being opened. By default its value is **null**. |
| **title** | This option specifies the text to appear in the title bar of the dialog box. By default its value is **null**. |
| **width** | This option specifies the width of the dialog box in pixels. By default its value is **300**. |

1. **Methods - $(selector, context).dialog ("action", [params]);**

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| **Action** | **Description** |
| **close()** | This action closes the dialog box. This method does not accept any arguments. |
| **destroy()** | This action removes the dialog box competely. This will return the element back to its pre-init state. This method does not accept any arguments. |
| **isOpen()** | This action checks if the dialog box is open. This method does not accept any arguments. |
| **moveToTop()** | This action positions the corresponding dialog boxes to the foreground (on top of the others). This method does not accept any arguments. |
| **open()** | This action opens the dialog box. This method does not accept any arguments. |
| **option( optionName )** | This action gets the value currently associated with the specified optionName. Where optionName is the name of the option to get. |
| **option()** | This action gets an object containing key/value pairs representing the current dialog options hash. This method does not accept any arguments. |
| **option( optionName, value )** | This action sets the value of the dialog option associated with the specified optionName. |
| **option( options )** | This action sets one or more options for the dialog. |
| **widget()** | This action returns the dialog box’s widget element; the element annotated with the ui-dialog class name. This method does not accept any arguments. |

1. **Events - Event Management on Dialog Box**

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| **Event Method** | **Description** |
| **beforeClose(event, ui)** | This event is triggered when the dialog box is about to close. Returning false prevents the dialog box from closing. It is handy for dialog boxes with forms that fail validation. Where event is of type Event, and ui is of type Object. |
| **close(event, ui)** | This event is triggered when the dialog box is closed. Where event is of type Event, and ui is of type Object. |
| **create(event, ui)** | This event is triggered when the dialog box is created. Where event is of type Event, and ui is of type Object. |
| **drag(event, ui)** | This event is triggered repeatedly as a dialog box is moved about during a drag. Where event is of type Event, and ui is of type Object. |
| **dragStart(event, ui)** | This event is triggered when a repositioning of the dialog box commences by dragging its title bar. Where event is of type Event, and ui is of type Object. |
| **dragStop(event, ui)** | This event is triggered when a drag operation terminates. Where event is of type Event, and ui is of type Object. |
| **focus(event, ui)** | This event is triggered when the dialog gains focus. Where event is of type Event, and ui is of type Object. |
| **open(event, ui)** | This event is triggered when the dialog box is opened. Where event is of type Event, and ui is of type Object. |
| **resize(event, ui)** | This event is triggered repeatedly as a dialog box is resized. Where event is of type Event, and ui is of type Object. |
| **resizeStart(event, ui)** | This event is triggered when a resize of the dialog box commences. Where event is of type Event, and ui is of type Object. |
| **resizeStop(event, ui)** | This event is triggered when a resize of the dialog box terminates. Where event is of type Event, and ui is of type Object. |

1. **Extension Points**

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| **Method** | **Description** |
| **\_allowInteraction(event)** | This method allows the user to interact with a given target element by whitelisting elements that are not children of the dialog but allow the users to be able to use. Where event is of type Event. |