Button

# Button Description

A Button is a fundamental UI component used to trigger actions in a user interface. It is usually represented as a clickable or tappable element that executes a predefined function upon interaction. The Button component in UI frameworks is highly configurable, with options such as icon support, custom templates, styling, and event handling. Below is the detailed information about the options, methods, and events that can be configured for the Button component.

## Options

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| Option | Description |
| accessKey | Specifies the shortcut key that sets focus on the UI component. |
| activeStateEnabled | Specifies whether the UI component changes its state as a result of user interaction. |
| component | An alias for the template property specified in React. Accepts a custom component. |
| disabled | Specifies whether the UI component responds to user interaction. |
| elementAttr | Specifies the global attributes to be attached to the UI component's container element. |
| focusStateEnabled | Specifies whether the UI component can be focused using keyboard navigation. |
| height | Specifies the UI component's height. |
| hint | Specifies text for a hint that appears when a user pauses on the UI component. |
| hoverStateEnabled | Specifies whether the UI component changes its state when a user pauses on it. |
| icon | Specifies the icon to be displayed on the button. |
| onClick | A function that is executed when the Button is clicked or tapped. |
| onContentReady | A function that is executed when the UI component's content is ready and each time the content is changed. |
| onDisposing | A function that is executed before the UI component is disposed of. |
| onInitialized | A function used in JavaScript frameworks to save the UI component instance. |
| onOptionChanged | A function that is executed after a UI component property is changed. |
| render | An alias for the template property specified in React. Accepts a rendering function. |
| rtlEnabled | Switches the UI component to a right-to-left representation. |
| stylingMode | Specifies how the button is styled. |
| tabIndex | Specifies the number of the element when the Tab key is used for navigating. |
| template | Specifies a custom template for the Button UI component. |
| text | The text displayed on the button. |
| type | Specifies the button type. |
| useSubmitBehavior | Specifies whether the button submits an HTML form. |
| validationGroup | Specifies the name of the validation group to be accessed in the click event handler. |
| visible | Specifies whether the UI component is visible. |
| width | Specifies the UI component's width. |

## Methods

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| Method | Description |
| beginUpdate() | Prevents the UI component from refreshing until the endUpdate() method is called. |
| defaultOptions(rule) | Specifies the device-dependent default configuration properties for this component. |
| dispose() | Disposes of all the resources allocated to the Button instance. |
| element() | Gets the root UI component element. |
| endUpdate() | Refreshes the UI component after a call of the beginUpdate() method. |
| focus() | Sets focus on the UI component. |
| getInstance(element) | Gets the instance of a UI component found using its DOM node. |
| instance() | Gets the UI component's instance. Use it to access other methods of the UI component. |
| off(eventName) | Detaches all event handlers from a single event. |
| off(eventName, eventHandler) | Detaches a particular event handler from a single event. |
| on(eventName, eventHandler) | Subscribes to an event. |
| on(events) | Subscribes to events. |
| option() | Gets all UI component properties. |
| option(optionName) | Gets the value of a single property. |
| option(optionName, optionValue) | Updates the value of a single property. |
| option(options) | Updates the values of several properties. |
| registerKeyHandler(key, handler) | Registers a handler to be executed when a user presses a specific key. |
| repaint() | Repaints the UI component without reloading data. Call it to update the UI component's markup. |
| resetOption(optionName) | Resets a property to its default value. |

## Events

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| Event | Description |
| click | Raised when the Button is clicked or tapped. |
| contentReady | Raised when the UI component's content is ready. |
| disposing | Raised before the UI component is disposed of. |
| initialized | Raised only once, after the UI component is initialized. |
| optionChanged | Raised after a UI component property is changed. |