DropDownBox Documentation

# Overview

The `DropDownBox` is a UI component that allows users to select a value from a dropdown list or enter a custom value directly. It is commonly used for input fields that require a predefined set of options but may also allow for custom entries.

# Options

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| Option | Description |
| acceptCustomValue | Specifies whether the UI component allows a user to enter a custom value. |
| 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. |
| buttons | Allows you to add custom buttons to the input text field. |
| contentComponent | An alias for the contentTemplate property specified in React. Accepts a custom component. |
| contentRender | An alias for the contentTemplate property specified in React. Accepts a rendering function. |
| contentTemplate | Specifies a custom template for the drop-down content. |
| dataSource | Binds the UI component to data. |
| deferRendering | Specifies whether to render the drop-down field's content when it is displayed. |
| disabled | Specifies whether the UI component responds to user interaction. |
| displayExpr | Specifies the data field whose values should be displayed. |
| displayValueFormatter | Customizes text before it is displayed in the input field. |
| dropDownButtonComponent | An alias for the dropDownButtonTemplate property specified in React. Accepts a custom component. |
| dropDownButtonRender | An alias for the dropDownButtonTemplate property specified in React. Accepts a rendering function. |
| dropDownButtonTemplate | Specifies a custom template for the drop-down button. |
| dropDownOptions | Configures the drop-down field which holds the content. |
| elementAttr | Specifies the global attributes to be attached to the UI component's container element. |
| fieldComponent | An alias for the fieldTemplate property specified in React. Accepts a custom component. |
| fieldRender | An alias for the fieldTemplate property specified in React. Accepts a rendering function. |
| fieldTemplate | Specifies a custom template for the text field. Must contain the TextBox UI component. |
| 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. |
| inputAttr | Specifies the attributes to be passed on to the underlying HTML element. |
| isValid | Specifies or indicates whether the editor's value is valid. |
| items | An array of items used to synchronize the DropDownBox with an embedded UI component. |
| maxLength | Specifies the maximum number of characters you can enter into the textbox. |
| name | The value to be assigned to the name attribute of the underlying HTML element. |
| onChange | A function that is executed when the UI component loses focus after the text field's content was changed using the keyboard. |
| onClosed | A function that is executed once the drop-down editor is closed. |
| onCopy | A function that is executed when the UI component's input has been copied. |
| onCut | A function that is executed when the UI component's input has been cut. |
| onDisposing | A function that is executed before the UI component is disposed of. |
| onEnterKey | A function that is executed when the Enter key has been pressed while the UI component is focused. |
| onFocusIn | A function that is executed when the UI component gets focus. |
| onFocusOut | A function that is executed when the UI component loses focus. |
| onInitialized | A function used in JavaScript frameworks to save the UI component instance. |
| onInput | A function that is executed each time the UI component's input is changed while the UI component is focused. |
| onKeyDown | A function that is executed when a user is pressing a key on the keyboard. |
| onKeyUp | A function that is executed when a user releases a key on the keyboard. |
| onOpened | A function that is executed once the drop-down editor is opened. |
| onOptionChanged | A function that is executed after a UI component property is changed. |
| onPaste | A function that is executed when the UI component's input has been pasted. |
| onValueChanged | A function that is executed after the UI component's value is changed. |
| opened | Specifies whether or not the drop-down editor is displayed. |
| openOnFieldClick | Specifies whether a user can open the drop-down list by clicking a text field. |
| placeholder | The text displayed by the UI component when the UI component value is empty. |
| readOnly | Specifies whether the editor is read-only. |
| rtlEnabled | Switches the UI component to a right-to-left representation. |
| showClearButton | Specifies whether to display the Clear button in the UI component. |
| showDropDownButton | Specifies whether the drop-down button is visible. |
| stylingMode | Specifies how the UI component's text field is styled. |
| tabIndex | Specifies the number of the element when the Tab key is used for navigating. |
| text | The read-only property that holds the text displayed by the UI component input element. |
| validationError | Information on the broken validation rule. Contains the first item from the validationErrors array. |
| validationErrors | An array of the validation rules that failed. |
| validationMessageMode | Specifies how the message about the validation rules that are not satisfied by this editor's value is displayed. |
| validationStatus | Indicates or specifies the current validation status. |
| value | Specifies the currently selected value. May be an object if dataSource contains objects and valueExpr is not set. |
| valueChangeEvent | Specifies the DOM events after which the UI component's value should be updated. |
| valueExpr | Specifies which data field provides unique values to the UI component's value. |
| 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. |
| blur() | Removes focus from the input element. |
| close() | Closes the drop-down editor. |
| content() | Gets the popup window's content. |
| defaultOptions(rule) | Specifies the device-dependent default configuration properties for this component. |
| dispose() | Disposes of all the resources allocated to the DropDownBox instance. |
| element() | Gets the root UI component element. |
| endUpdate() | Refreshes the UI component after a call of the beginUpdate() method. |
| field() | Gets the UI component's <input> element. |
| focus() | Sets focus to the input element representing the UI component. |
| getButton(name) | Gets an instance of a custom action button. |
| getDataSource() | Gets the DataSource instance. |
| 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. |
| open() | Opens the drop-down editor. |
| 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. |
| reset() | Resets the value property to the default value. |
| resetOption(optionName) | Resets a property to its default value. |

# Events

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| Event | Description |
| change | Raised when the UI component loses focus after the text field's content was changed using the keyboard. |
| closed | Raised once the drop-down editor is closed. |
| copy | Raised when the UI component's input has been copied. |
| cut | Raised when the UI component's input has been cut. |
| disposing | Raised before the UI component is disposed of. |
| enterKey | Raised when the Enter key has been pressed while the UI component is focused. |
| focusIn | Raised when the UI component gets focus. |
| focusOut | Raised when the UI component loses focus. |
| initialized | Raised only once, after the UI component is initialized. |
| input | Raised each time the UI component's input is changed while the UI component is focused. |
| keyDown | Raised when a user is pressing a key on the keyboard. |
| keyUp | Raised when a user releases a key on the keyboard. |
| opened | Raised once the drop-down editor is opened. |
| optionChanged | Raised after a UI component property is changed. |
| paste | Raised when the UI component's input has been pasted. |
| valueChanged | Raised after the UI component's value is changed. |