Flutter resumen documentación

# Input widgets

## autocomplete

A widget for helping the user make a selection by entering some text and choosing from among a list of options.

The user's text input is received in a field built with the [fieldViewBuilder](https://api.flutter.dev/flutter/material/Autocomplete/fieldViewBuilder.html) parameter. The options to be displayed are determined using [optionsBuilder](https://api.flutter.dev/flutter/material/Autocomplete/optionsBuilder.html) and rendered with [optionsViewBuilder](https://api.flutter.dev/flutter/material/Autocomplete/optionsViewBuilder.html).

### Constructors

[Autocomplete](https://api.flutter.dev/flutter/material/Autocomplete/Autocomplete.html)({[Key](https://api.flutter.dev/flutter/foundation/Key-class.html)? key, required [AutocompleteOptionsBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteOptionsBuilder.html)<T> optionsBuilder, [AutocompleteOptionToString](https://api.flutter.dev/flutter/widgets/AutocompleteOptionToString.html)<T> displayStringForOption = RawAutocomplete.defaultStringForOption, [AutocompleteFieldViewBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteFieldViewBuilder.html) fieldViewBuilder = \_defaultFieldViewBuilder, [AutocompleteOnSelected](https://api.flutter.dev/flutter/widgets/AutocompleteOnSelected.html)<T>? onSelected, [double](https://api.flutter.dev/flutter/dart-core/double-class.html) optionsMaxHeight = 200.0, [AutocompleteOptionsViewBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteOptionsViewBuilder.html)<T>? optionsViewBuilder, [OptionsViewOpenDirection](https://api.flutter.dev/flutter/widgets/OptionsViewOpenDirection.html) optionsViewOpenDirection = OptionsViewOpenDirection.down, [TextEditingValue](https://api.flutter.dev/flutter/services/TextEditingValue-class.html)? initialValue})

Creates an instance of [Autocomplete](https://api.flutter.dev/flutter/material/Autocomplete-class.html).

const

### Properties

[displayStringForOption](https://api.flutter.dev/flutter/material/Autocomplete/displayStringForOption.html) → [AutocompleteOptionToString](https://api.flutter.dev/flutter/widgets/AutocompleteOptionToString.html)<T>

Returns the string to display in the field when the option is selected.

final

[fieldViewBuilder](https://api.flutter.dev/flutter/material/Autocomplete/fieldViewBuilder.html) → [AutocompleteFieldViewBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteFieldViewBuilder.html)

Builds the field whose input is used to get the options.

final

[hashCode](https://api.flutter.dev/flutter/widgets/Widget/hashCode.html) → [int](https://api.flutter.dev/flutter/dart-core/int-class.html)

The hash code for this object.

read-onlyinherited

[initialValue](https://api.flutter.dev/flutter/material/Autocomplete/initialValue.html) → [TextEditingValue](https://api.flutter.dev/flutter/services/TextEditingValue-class.html)?

The initial value to use for the text field.

final

[key](https://api.flutter.dev/flutter/widgets/Widget/key.html) → [Key](https://api.flutter.dev/flutter/foundation/Key-class.html)?

Controls how one widget replaces another widget in the tree.

finalinherited

[onSelected](https://api.flutter.dev/flutter/material/Autocomplete/onSelected.html) → [AutocompleteOnSelected](https://api.flutter.dev/flutter/widgets/AutocompleteOnSelected.html)<T>?

Called when an option is selected by the user.

final

[optionsBuilder](https://api.flutter.dev/flutter/material/Autocomplete/optionsBuilder.html) → [AutocompleteOptionsBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteOptionsBuilder.html)<T>

A function that returns the current selectable options objects given the current TextEditingValue.

final

[optionsMaxHeight](https://api.flutter.dev/flutter/material/Autocomplete/optionsMaxHeight.html) → [double](https://api.flutter.dev/flutter/dart-core/double-class.html)

The maximum height used for the default Material options list widget.

final

[optionsViewBuilder](https://api.flutter.dev/flutter/material/Autocomplete/optionsViewBuilder.html) → [AutocompleteOptionsViewBuilder](https://api.flutter.dev/flutter/widgets/AutocompleteOptionsViewBuilder.html)<T>?

Builds the selectable options widgets from a list of options objects.

final

[optionsViewOpenDirection](https://api.flutter.dev/flutter/material/Autocomplete/optionsViewOpenDirection.html) → [OptionsViewOpenDirection](https://api.flutter.dev/flutter/widgets/OptionsViewOpenDirection.html)

The direction in which to open the options-view overlay.

final

[runtimeType](https://api.flutter.dev/flutter/dart-core/Object/runtimeType.html) → [Type](https://api.flutter.dev/flutter/dart-core/Type-class.html)

A representation of the runtime type of the object.

read-onlyinherited

## form

An optional container for grouping together multiple form field widgets (e.g. [TextField](https://api.flutter.dev/flutter/material/TextField-class.html) widgets).

Each individual form field should be wrapped in a [FormField](https://api.flutter.dev/flutter/widgets/FormField-class.html) widget, with the [Form](https://api.flutter.dev/flutter/widgets/Form-class.html) widget as a common ancestor of all of those. Call methods on [FormState](https://api.flutter.dev/flutter/widgets/FormState-class.html) to save, reset, or validate each [FormField](https://api.flutter.dev/flutter/widgets/FormField-class.html) that is a descendant of this [Form](https://api.flutter.dev/flutter/widgets/Form-class.html). To obtain the [FormState](https://api.flutter.dev/flutter/widgets/FormState-class.html), you may use [Form.of](https://api.flutter.dev/flutter/widgets/Form/of.html) with a context whose ancestor is the [Form](https://api.flutter.dev/flutter/widgets/Form-class.html), or pass a [GlobalKey](https://api.flutter.dev/flutter/widgets/GlobalKey-class.html) to the [Form](https://api.flutter.dev/flutter/widgets/Form-class.html) constructor and call [GlobalKey.currentState](https://api.flutter.dev/flutter/widgets/GlobalKey/currentState.html).

### Constructors

[Form](https://api.flutter.dev/flutter/widgets/Form/Form.html)({[Key](https://api.flutter.dev/flutter/foundation/Key-class.html)? key, required [Widget](https://api.flutter.dev/flutter/widgets/Widget-class.html) child, [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html)? canPop, [PopInvokedCallback](https://api.flutter.dev/flutter/widgets/PopInvokedCallback.html)? onPopInvoked, @[Deprecated](https://api.flutter.dev/flutter/dart-core/Deprecated-class.html)('Use canPop and/or onPopInvoked instead. ' 'This feature was deprecated after v3.12.0-1.0.pre.') [WillPopCallback](https://api.flutter.dev/flutter/widgets/WillPopCallback.html)? onWillPop, [VoidCallback](https://api.flutter.dev/flutter/dart-ui/VoidCallback.html)? onChanged, [AutovalidateMode](https://api.flutter.dev/flutter/widgets/AutovalidateMode.html)? autovalidateMode})

Creates a container for form fields.

const

### Properties

[autovalidateMode](https://api.flutter.dev/flutter/widgets/Form/autovalidateMode.html) → [AutovalidateMode](https://api.flutter.dev/flutter/widgets/AutovalidateMode.html)

Used to enable/disable form fields auto validation and update their error text.

final

[canPop](https://api.flutter.dev/flutter/widgets/Form/canPop.html) → [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html)?

When false, blocks the current route from being popped.

final

[child](https://api.flutter.dev/flutter/widgets/Form/child.html) → [Widget](https://api.flutter.dev/flutter/widgets/Widget-class.html)

The widget below this widget in the tree.

final

[hashCode](https://api.flutter.dev/flutter/widgets/Widget/hashCode.html) → [int](https://api.flutter.dev/flutter/dart-core/int-class.html)

The hash code for this object.

read-onlyinherited

[key](https://api.flutter.dev/flutter/widgets/Widget/key.html) → [Key](https://api.flutter.dev/flutter/foundation/Key-class.html)?

Controls how one widget replaces another widget in the tree.

finalinherited

[onChanged](https://api.flutter.dev/flutter/widgets/Form/onChanged.html) → [VoidCallback](https://api.flutter.dev/flutter/dart-ui/VoidCallback.html)?

Called when one of the form fields changes.

final

[onPopInvoked](https://api.flutter.dev/flutter/widgets/Form/onPopInvoked.html) → [PopInvokedCallback](https://api.flutter.dev/flutter/widgets/PopInvokedCallback.html)?

Called after a route pop was handled.

final

[onWillPop](https://api.flutter.dev/flutter/widgets/Form/onWillPop.html) → [WillPopCallback](https://api.flutter.dev/flutter/widgets/WillPopCallback.html)?

Enables the form to veto attempts by the user to dismiss the [ModalRoute](https://api.flutter.dev/flutter/widgets/ModalRoute-class.html) that contains the form.

final

[runtimeType](https://api.flutter.dev/flutter/dart-core/Object/runtimeType.html) → [Type](https://api.flutter.dev/flutter/dart-core/Type-class.html)

A representation of the runtime type of the object.

## form field

A single form field.

This widget maintains the current state of the form field, so that updates and validation errors are visually reflected in the UI.

When used inside a [Form](https://api.flutter.dev/flutter/widgets/Form-class.html), you can use methods on [FormState](https://api.flutter.dev/flutter/widgets/FormState-class.html) to query or manipulate the form data as a whole. For example, calling [FormState.save](https://api.flutter.dev/flutter/widgets/FormState/save.html) will invoke each [FormField](https://api.flutter.dev/flutter/widgets/FormField-class.html)'s [onSaved](https://api.flutter.dev/flutter/widgets/FormField/onSaved.html) callback in turn.

Use a [GlobalKey](https://api.flutter.dev/flutter/widgets/GlobalKey-class.html) with [FormField](https://api.flutter.dev/flutter/widgets/FormField-class.html) if you want to retrieve its current state, for example if you want one form field to depend on another.

A [Form](https://api.flutter.dev/flutter/widgets/Form-class.html) ancestor is not required. The [Form](https://api.flutter.dev/flutter/widgets/Form-class.html) allows one to save, reset, or validate multiple fields at once. To use without a [Form](https://api.flutter.dev/flutter/widgets/Form-class.html), pass a [GlobalKey](https://api.flutter.dev/flutter/widgets/GlobalKey-class.html) to the constructor and use [GlobalKey.currentState](https://api.flutter.dev/flutter/widgets/GlobalKey/currentState.html) to save or reset the form field.

See also:

* [Form](https://api.flutter.dev/flutter/widgets/Form-class.html), which is the widget that aggregates the form fields.
* [TextField](https://api.flutter.dev/flutter/material/TextField-class.html), which is a commonly used form field for entering text.

### Constructors

[FormField](https://api.flutter.dev/flutter/widgets/FormField/FormField.html)({[Key](https://api.flutter.dev/flutter/foundation/Key-class.html)? key, required [FormFieldBuilder](https://api.flutter.dev/flutter/widgets/FormFieldBuilder.html)<T> builder, [FormFieldSetter](https://api.flutter.dev/flutter/widgets/FormFieldSetter.html)<T>? onSaved, [FormFieldValidator](https://api.flutter.dev/flutter/widgets/FormFieldValidator.html)<T>? validator, T? initialValue, [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html) enabled = true, [AutovalidateMode](https://api.flutter.dev/flutter/widgets/AutovalidateMode.html)? autovalidateMode, [String](https://api.flutter.dev/flutter/dart-core/String-class.html)? restorationId})

Creates a single form field.

const

### Properties

[autovalidateMode](https://api.flutter.dev/flutter/widgets/FormField/autovalidateMode.html) → [AutovalidateMode](https://api.flutter.dev/flutter/widgets/AutovalidateMode.html)

Used to enable/disable this form field auto validation and update its error text.

final

[builder](https://api.flutter.dev/flutter/widgets/FormField/builder.html) → [FormFieldBuilder](https://api.flutter.dev/flutter/widgets/FormFieldBuilder.html)<T>

Function that returns the widget representing this form field. It is passed the form field state as input, containing the current value and validation state of this field.

final

[enabled](https://api.flutter.dev/flutter/widgets/FormField/enabled.html) → [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html)

Whether the form is able to receive user input.

final

[hashCode](https://api.flutter.dev/flutter/widgets/Widget/hashCode.html) → [int](https://api.flutter.dev/flutter/dart-core/int-class.html)

The hash code for this object.

read-onlyinherited

[initialValue](https://api.flutter.dev/flutter/widgets/FormField/initialValue.html) → T?

An optional value to initialize the form field to, or null otherwise.

final

[key](https://api.flutter.dev/flutter/widgets/Widget/key.html) → [Key](https://api.flutter.dev/flutter/foundation/Key-class.html)?

Controls how one widget replaces another widget in the tree.

finalinherited

[onSaved](https://api.flutter.dev/flutter/widgets/FormField/onSaved.html) → [FormFieldSetter](https://api.flutter.dev/flutter/widgets/FormFieldSetter.html)<T>?

An optional method to call with the final value when the form is saved via [FormState.save](https://api.flutter.dev/flutter/widgets/FormState/save.html).

final

[restorationId](https://api.flutter.dev/flutter/widgets/FormField/restorationId.html) → [String](https://api.flutter.dev/flutter/dart-core/String-class.html)?

Restoration ID to save and restore the state of the form field.

final

[runtimeType](https://api.flutter.dev/flutter/dart-core/Object/runtimeType.html) → [Type](https://api.flutter.dev/flutter/dart-core/Type-class.html)

A representation of the runtime type of the object.

read-onlyinherited

[validator](https://api.flutter.dev/flutter/widgets/FormField/validator.html) → [FormFieldValidator](https://api.flutter.dev/flutter/widgets/FormFieldValidator.html)<T>?

An optional method that validates an input. Returns an error string to display if the input is invalid, or null otherwise.

final

## raw keyboard listener

A widget that calls a callback whenever the user presses or releases a key on a keyboard.

A [RawKeyboardListener](https://api.flutter.dev/flutter/widgets/RawKeyboardListener-class.html) is useful for listening to raw key events and hardware buttons that are represented as keys. Typically used by games and other apps that use keyboards for purposes other than text entry.

For text entry, consider using a [EditableText](https://api.flutter.dev/flutter/widgets/EditableText-class.html), which integrates with on-screen keyboards and input method editors (IMEs).

The [RawKeyboardListener](https://api.flutter.dev/flutter/widgets/RawKeyboardListener-class.html) is different from [KeyboardListener](https://api.flutter.dev/flutter/widgets/KeyboardListener-class.html) in that [RawKeyboardListener](https://api.flutter.dev/flutter/widgets/RawKeyboardListener-class.html) uses the legacy [RawKeyboard](https://api.flutter.dev/flutter/services/RawKeyboard-class.html) API. Use [KeyboardListener](https://api.flutter.dev/flutter/widgets/KeyboardListener-class.html) if possible.

See also:

* [EditableText](https://api.flutter.dev/flutter/widgets/EditableText-class.html), which should be used instead of this widget for text entry.
* [KeyboardListener](https://api.flutter.dev/flutter/widgets/KeyboardListener-class.html), a similar widget based on the newer [HardwareKeyboard](https://api.flutter.dev/flutter/services/HardwareKeyboard-class.html) API.

### Constructors

[RawKeyboardListener](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/RawKeyboardListener.html)({[Key](https://api.flutter.dev/flutter/foundation/Key-class.html)? key, required [FocusNode](https://api.flutter.dev/flutter/widgets/FocusNode-class.html) focusNode, [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html) autofocus = false, [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html) includeSemantics = true, [ValueChanged](https://api.flutter.dev/flutter/foundation/ValueChanged.html)<[RawKeyEvent](https://api.flutter.dev/flutter/services/RawKeyEvent-class.html)>? onKey, required [Widget](https://api.flutter.dev/flutter/widgets/Widget-class.html) child})

Creates a widget that receives raw keyboard events.

const

### Properties

[autofocus](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/autofocus.html) → [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html)

True if this widget will be selected as the initial focus when no other node in its scope is currently focused.

final

[child](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/child.html) → [Widget](https://api.flutter.dev/flutter/widgets/Widget-class.html)

The widget below this widget in the tree.

final

[focusNode](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/focusNode.html) → [FocusNode](https://api.flutter.dev/flutter/widgets/FocusNode-class.html)

Controls whether this widget has keyboard focus.

final

[hashCode](https://api.flutter.dev/flutter/widgets/Widget/hashCode.html) → [int](https://api.flutter.dev/flutter/dart-core/int-class.html)

The hash code for this object.

read-onlyinherited

[includeSemantics](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/includeSemantics.html) → [bool](https://api.flutter.dev/flutter/dart-core/bool-class.html)

Include semantics information in this widget.

final

[key](https://api.flutter.dev/flutter/widgets/Widget/key.html) → [Key](https://api.flutter.dev/flutter/foundation/Key-class.html)?

Controls how one widget replaces another widget in the tree.

finalinherited

[onKey](https://api.flutter.dev/flutter/widgets/RawKeyboardListener/onKey.html) → [ValueChanged](https://api.flutter.dev/flutter/foundation/ValueChanged.html)<[RawKeyEvent](https://api.flutter.dev/flutter/services/RawKeyEvent-class.html)>?

Called whenever this widget receives a raw keyboard event.

final

[runtimeType](https://api.flutter.dev/flutter/dart-core/Object/runtimeType.html) → [Type](https://api.flutter.dev/flutter/dart-core/Type-class.html)

A representation of the runtime type of the object.

read-onlyinherited