# The Autocomplete widget in Flutter ?

display suggestions to the user based on their input

## Autocomplete

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Flutter Developer

@ Ahmed Hussein
01114484229

## Autocomplete widget

The Autocomplete widget in Flutter is used to **display suggestions** to the user based on their input. It provides a flexible way to implement autocomplete functionality by offering a list of options, which can be **filtered dynamically** based on user input.

## Autocomplete widget Example

list of options for autocomplete

```dart
// ! list of options for autocomplete.
final List<String> options = <String>[
  'Apple',
  'Banana',
  'Cherry',
  'Date',
  'Elderberry',
  'Fig',
  'Grapes',
  'Honeydew',
];
```

# Autocomplete widget Example

**OptionsBuilder:** Filters the list of options based on the user's input
**OnSelected:** Callback that is triggered when a user selects an item from the suggestions
**FieldViewBuilder:** Customizes the text input field

```dart
//* Autocomplete widget with optionsBuilder and onSelected callback.
Autocomplete<String>(
  //* optionsBuilder is a callback that returns a list of options based on the current input value.
  optionsBuilder: (TextEditingValue textEditingValue) {
    if (textEditingValue.text.isEmpty) {
      return const Iterable<String>.empty();
    }
    return options.where((String option) {
      return option.toLowerCase().contains(textEditingValue.text.toLowerCase());
    });
  },
  //* onSelected is a callback that is called when an option is selected.
  onSelected: (String selection) {
    debugPrint('Selected: $selection');
  },
  // * fieldViewBuilder is a callback that returns a widget to display the input field.
  fieldViewBuilder: (context, textEditingController, focusNode, onFieldSubmitted) {
    return TextFormField(
      controller: textEditingController,
      focusNode: focusNode,
      decoration: const InputDecoration(
        border: OutlineInputBorder(),
        hintText: 'Type something...',
      ),
    );
  },
),
```

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**Ahmed Hussein**
Flutter Developer

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