Flutter App Element Finding

**find.byValueKey(key): Work**

find.byValueKey(key) is a method in Flutter testing to find a widget in the UI that has a specific `ValueKey`. The `key` is the value you search for, and the method returns the matching widget, making it useful for targeting widgets in tests.

Example: const element = find.byValueKey('email\_input');

find.byTooltip(tooltip): Not Wrok

Example: const element = find.byTooltip('Login');

Find.byText(text): Work

Example: const element = find.byText('Submit');

Find.byType(Iconbutton): Work

Example: const iconButton = find.byType('IconButton');

Find.bySemanticsLabel(label): Not Work

Example: const semanticsLabel = find.bySemanticsLabel('Submit Button');

Find.pageBack(): Not Work

Example:const backButton = find.pageBack();

Find.ancestor(of, maching):

Example: const ancestor = find.ancestor({

of: find.byValueKey('child\_widget'),

matching: find.byType('Container'),

});

Find.descendant(of, maching):

Example:const descendant = find.descendant({

of: find.byValueKey('parent\_widget'),

matching: find.byType('Text'),

});

Find.byIcons(icon):

Example: const searchIcon = find.byIcon('search');

Find.byIndex(index):

Example: const thirdItem = find.byIndex(2); // Index is zero-based

Find.byPredicate(predicate):

Example: const customWidget = find.byPredicate((widget) => widget.key === 'custom\_key');

Find.bySemanticsLabelContaining(text):

Example: const partialLabel = find.bySemanticsLabelContaining('Submit');

Find.byTextContaining(text):

Example: const partialText = find.byTextContaining('Hello');

Find.byTypeAndText(type, text):

Example: const emailInputWithText = find.byValueKeyAndText('email\_input', 'Enter email');

Find.byValueKeyAndText(key, text):

Example: const emailInput = find.byValueKeyAndType('email\_input', 'TextField');

Find.byValueKeyAndType(key, type):

Example: const emailInput = find.byValueKeyAndType('email\_input', 'TextField');

Find.bySemanticsLabelAndType(label, type):

Example: const submitButton = find.bySemanticsLabelAndType('Submit', 'ElevatedButton');

Find.byTooltipAndType(tooltip, type):

Example: const loginButton = find.byTooltipAndType('Login', 'IconButton');

Find.byIconsAndType(icon, type):

Example: const searchIconButton = find.byIconAndType('search', 'IconButton');

Find.byIntexAndType(intex, type):

Example: const thirdListItem = find.byIndexAndType(2, 'ListTile');

Note: The most commonly used ones are:

Find.byValueKey().

Find.byText().

Find.byType().

Find.byTooltip().

Flutter App Element Interaction