

# Mobile Selectors

Strategy	Description
Accessibility ID	<p>unique identifier for a UI element.</p> <p>For ios XCUITest it is the element's <b>accessibility-id</b> attribute.</p> <p>For Android it is the element's <b>content-desc</b> attribute.</p>
Class name	<p>For IOS it is the full name of the XCUI element and begins with XCUIElementType.</p> <p>For Android it is the full name of the UIAutomator2 class (e.g.: android.widget.TextView)</p>
ID	<p>Native element identifier.</p> <p><b>resource-id</b> for android;</p> <p><b>name</b> for iOS.</p>
Name	<p>Name of the element</p>
XPath	<p>Search the app XML source using xpath</p>

- @AndroidFindBy(xpath = "//android.widget.TextView[contains (@text, 'summary')]/../android.widget.LinearLayout/android.widget.Switch")

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Android                      Use the UI Automator API, in particular the [UiSelector](#) class to locate elements.

UiAutomator

(UiAutomator2

only)

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- `new UiSelector().resourceId("wdpro:id/container_modifiers").childSelector(new UiSelector().className("android.widget.RadioButton").text("Minute Maid® Light Lemonade"))``
- `new UiSelector().className("android.widget.TextView").textContains("Select Your Waffle Cup or Cone")``

#### More info about UiSelector and UiSelectors

- <https://developer.android.com/reference/android/support/test/uiautomator/UiSelector>
- [https://developer.android.com/reference/android/support/test/uiautomator/UiSelector#text\(java.lang.String\)](https://developer.android.com/reference/android/support/test/uiautomator/UiSelector#text(java.lang.String))

## iOS

### Find

```
@iOSFindBy(xpath = "//XCUIElementTypeButton[ @name=\"Change Ship/Dates\"]/../XCUIElementTypeStaticText")
private IOSElement sailingDatesLabel;
```

### Element with xpath

```
@iOSFindBy(xpath = "//XCUIElementTypeNavigationBar[ @name=\"Privacy policy\"]/XCUIElementTypeButton")
```

### Same element with iOSClassChain

```
@iOSXCUIFindBy(iOSClassChain = "**/XCUIElementTypeNavigationBar[ name == 'Privacy policy']/XCUIElementTypeButton")
```

## iOSPredicate

- @iOSXCUIFindBy(iOSNsPredicate = "type == 'XCUIElementTypeStaticText' AND label CONTAINS 'someThing'")
- @HowToUseLocators(iOSXCUIAutomation = ALL\_POSSIBLE)  
@iOSXCUIFindBy(iOSNsPredicate = "type == 'XCUIElementTypeStaticText' AND name CONTAINS 'Seas'")  
@iOSXCUIFindBy(iOSNsPredicate = "type == 'XCUIElementTypeStaticText' AND name CONTAINS 'Celebrity'")  
private IOSElement shipName;