

# Squish GUI Tester API Cheat Sheet

## Object Lookup Functions

Object **waitForObject**(objectName,[timeout])

- ⌚ Waits for an object to be enabled and visible and returns a reference when it is found.
- 🚫 LookupError: Object not found.
- 🚫 LookupError: Object not ready.
- 💡 Use to get an object reference to interact with.

Object **waitForObjectExists**(objectName,[timeout])

- ⌚ Waits for an object and returns object reference when it is found.
- 🚫 LookupError: Object not found.
- 💡 Use to get an object reference within verification points

Object **findObject**(objectName)

- ✅ Look for an object and returns reference when it is found
- 🚫 LookupError: Object not found.
- 💡 Use to get an object reference to the object that already exists

SequenceOfObjects **findAllObjects(objectName)**

- ✅ Returns a sequence of references to the existing objects.
- 💡 Use to get an object reference to the object that already exists

Boolean **object.exists**(objectName)

- ✅ Returns True if object exists, False otherwise
- 💡 Use within conditional statements

SequenceOfObjects **object.children**(object)

- ✅ For given object reference returns a list of the object's child objects.

Object **object.parent**(object)

- ✅ For given object reference returns a parent object.

**highlightObject**(objectOrName)

- ✅ Highlights the screen position of given object.

## Image Lookup Functions

ScreenRectangle **waitForImage**(imageFile,[params],[searchArea])

- ⌚ Waits for an image to show up on the search area. When successful returns a rectangle where image is located.
- 🔧 Optional parameters: interval, timeout, occurrence, toleran, threshold, multiscale, minScale, maxScale
- 🚫 LookupError: Image not found.
- 💡 Use to wait for the image to be displayed in search area.

ScreenRectangle **findImage**(imageFile,[params],[searchArea])

- ✅ Search an image on the search area. When successful returns ScreenRectangle where image is located.
- 🔧 Optional parameters: occurrence, tolerant, threshold, multiscale:, minScaler, maxScale
- 🚫 LookupError: Image not found.
- 💡 Use to find an image that is already displayed on the screen

## OCR Text Lookup Functions

ScreenRectangle **waitForOCRText**(text,[params],[searchArea])

- ⌚ Waits for an text to show up on the search area. The search is performed using Optical Character Recognition. When successful returns screen area where text is located.
- 🔧 Optional parameters: Interval, timeout, occurrence, language, profiles, options, scaleFactor
- 🚫 LookupError: Text not found.
- 💡 Use to wait for the text to be displayed on search area.

ScreenRectangle **findOCRText**(text,[params],[searchArea])

- ✅ Search an text on the search area using Optical Character Recognition. When successful returns screen area where text is located.
- 🔧 Available parameters are provided as key-value pairs: occurrence:number, language:String, profiles:Array, options:Map, scaleFactor:Number
- 🚫 LookupError: Text not found.



**Contact as if you need help with designing quality automated GUI tests for desktop, mobile and embedded applications.**

✉ [contact@cyberalpaca.com](mailto:contact@cyberalpaca.com)

Squish is a tool offered by the [Qt Group](#)