

Quick guide to Pacewords™

Paceword guide lines

- Use clear and descriptive test case names, e.g. Open Help Page
- Use **[Documentation]** to explain the purpose of the test case
- Make test case as readable as possible
- Leave empty line after 10 lines, use **Log** to describe next section
- Use **[Tags]** for running selected test case groups, e.g. 'ok' or 'not ok' when designing new test cases
- Appstate **must** be the first step in a test case; navigation to pre-condition
- Do **not** use Sleep keyword
- Try to avoid extended use of project specific keywords, no more than 100 keywords total per project
- Use teardowns to close the test session properly

AppState

First keyword of every test case is AppState. It's the pre-condition of a test case and a navigation system across different states in the system under test. It speeds-up test execution time significantly providing simple and efficient way to manage hundreds or even thousands of independent test cases.

Adding 'back to the AppState' step at the end of a test case will speed up test execution, particularly when using computer vision based test automation.

The screenshot shows a test case in a dark-themed interface. On the left, there are labels for different parts of the test case: 'Test case name', 'Documentation', 'Tags for selective execution', 'AppState', and 'Keywords'. These labels are connected by orange lines to the corresponding parts of the test case. The test case name is 'Open Help Page'. The documentation is '[Documentation]'. The tags are '[Tags]'. The appstate is 'Appstate'. The steps are 'ClickText', 'VerifyText', 'HoverText', 'ClickText', and 'VerifyText'. On the right, there is a preview of the test case execution. The text 'Text to be clicked' points to the 'Help' text in the preview. The text 'Text near the element to be clicked or index' points to the '20' value in the preview. The text 'Timeout: How many seconds tries to find text before failing' points to the '20' value in the preview. The preview text is: 'This test checks that Help page opens', 'Help', 'Homepage', 'Help Sell', 'Browse Help Topics 20', 'Account Settings & Payment', 'About Problems Signing In', 'Clear Your Browser's Cache and Cookies'.

Common QWeb Pacewords

TypeText

Type given text to a text field.

HoverText

Move mouse on top of a text.

ClickText

Click text on web page.

DropDown

Select a drop down item.

ClickElement

Click element specified by xpath.

VerifyText

Verify page contains given text.

VerifyValue

Verify value in a given element.

VerifyElement

Verify element on the page and it is visible.

Extended QWeb Paceword list

ClickCheckbox

Check or uncheck a checkbox.

CloseAlert

Close popup alert.

CloseAllBrowsers

Close all opened browsers.

CloseOthers

Close all windows except the first window.

CloseWindow

Close current tab and switch context to another window handle.

ExecuteJavascript

Execute javascript and save the result to suite variable.

ExpectFileDownload

Set the time after which the download should happen.

GetText

Get text from element specified by xpath.

HoverElement

Hover the element specified by the xpath selector.

IsText

Return True/False if text is found on the screen.

LogPage

Save and log current html.

LogScreenshot

Log screenshot to Robot Framework log.

OpenWindow

Open new tab.

RefreshPage

Refresh the current window.

SelectDropDown

Select an option from dropdown menu/list.

SetActiveAreaFunction

Set function that sets active area where elements are searched.

SetInputHandler

Set input handler.

SetLineBreak

Set key to be pressed after text is written to input field.

SetSearchStrategy

Set search strategy for element search.

SetWaitFunction

Set custom wait function that is run at the beginning of key words.

SetWindowSize

Set current window size.

SwitchWindow

Switch to another tab.

UseFrame

Make following keywords use a frame on the page.

UsePage

Make following keywords use the page and not a frame on the page.

UseTable

Define table for all other table keywords.

VerifyCheckboxStatus

Verify checkbox is enabled or disabled.

VerifyCheckboxValue

Verify checkbox is on (checked) or off (unchecked).

VerifyFileDownload

Verify file has been downloaded.

VerifyInputStatus

Verify input field is enabled or disabled.

VerifyInputValue

Verify input field has given value.

VerifyNoElement

Wait element can not be found on the page.

VerifyNoText

Wait page does not contain given text.

VerifyTable

Verify text in table coordinates.