



WATIR - Reference Sheet

(Web Application Testing in Ruby -- pronounced "water")

Getting Started:

- Main Watir web site : <http://wtr.rubyforge.org>
- Watir Project home page : <http://wiki.openqa.org/display/WTR/Project+Home>
 - includes : cheat sheet, installation notes, tutorial, community links, development notes, and more!
- ⤵ Download Watir gems directly (if needed) : <http://rubyforge.org/projects/wtr>
- Watir API Reference : <http://wtr.rubyforge.org/rdoc>
- Watir-General Google Group : <http://groups.google.com/group/watir-general>
- HTML Inspection tools : IE Developer Toolbar, SpySmith (for IE), Firebug (for Firefox)

Scripting with Watir:

(select commands)

```
require 'watir' # load the Watir library
$ie = Watir::IE.new # open IE with a blank page
$ie.goto("http://www.google.com") # navigate to web site
$ie = Watir::IE.attach(:title, "Google") # attach to an existing IE browser
$ie.close # close the browser
```

Controlling HTML Elements: There are many ways to access an element : id, index, name, text, url, value, etc.

➤ For a complete, current list see : <http://wiki.openqa.org/display/WTR/Methods+Supported+by+Element>

Element	How to Access it (*)	Working with it
Text box or Text area	<code>t = \$ie.text_field(:name, 'username')</code>	<code>t.set "batman"</code> <code>t.clear</code>
Button	<code>b = \$ie.button(:value, 'Click Here')</code>	<code>b.click</code>
Link	<code>l = \$ie.link(:url, "http://google.com")</code>	<code>l.click</code>
Drop-down list	<code>d = \$ie.select_list(:name, /country/)</code>	<code>d.select 'Canada'</code> <code>d.clearSelection</code>
Check box	<code>c = \$ie.checkbox(:id, /unsubscribe/)</code>	<code>c.set</code> / <code>c.clear</code>
Radio button	<code>r = \$ie.radio(:name, button_name)</code>	<code>r.set</code> / <code>r.clear</code>
Table	<code>tbl = \$ie.table(:id, /grades/)</code>	<code>tbl[row][col].method</code> e.g. <code>tbl[2][1].text</code>

(*) How do you know if you have the right element? **Flash it :** `element.flash`

Checking Contents:

```
$ie.html # return html of page or element
$ie.text # return text of page or element
$ie.text.include? 'Pickaxe' # return true if the text appears on the page
$ie.table(:id, 'jukebox_listing').to_a # return contents of a table as an array
$ie.show_frames # identify the frames on a page
$ie.text_fields.show # show info for all elements of a particular type on a page
```