Raveendran

Nothing is impossible…

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Chart Creation using Ruby Gems — Google Charts + Watir WebDriver

December 10, 2011

Installation :

1. Install Ruby 1.8.7 or 1.9.2

2. Install WatirWebdriver — Refer http://rubygems.org/gems/watir-webdriver

a. CMD>gem install watir-webdriver

3. Install Google Charts Library — Refer http://googlecharts.rubyforge.org/

Sample Code:

```
require 'rubygems'
require 'watir-webdriver'
require 'gchart'
ff=Watir::Browser.new :ff
first=Gchart.bar(:data => [300, 100, 30, 200])
ff.goto(first)
ff.driver.save_screenshot 'c:\\test123\\first.jpg'
second=Gchart.pie_3d(:title => 'Open Source Tools', :size =>
'400x200',:data => [45, 35, 20], :labels => ["Watir", "Selenium", "Others"] )
ff.goto(second)
ff.driver.save_screenshot 'c:\\test123\\second.jpg'
three=Gchart.line(:data => [300, 100, 30, 200, 100, 200, 300, 10],
:axis_with_labels => 'x,r',:axis_labels => [['Jan','July','Jan','July','Jan'], ['2005','2006','2007']])
ff.goto(three)
ff.driver.save_screenshot 'c:\\test123\\three.jpg'
ff.close
```

Output:

1. Usually Google Charts gives http urls as a output. Using Watir WebDriver we can open the URL and navigate to the mentioned page and we can save that web page as a Image.

2. Run the code –> The out folder contains the images

Posted by raveendran

Filed in Blogroll, Google Charts, Ruby, Ruby 1.9, watir, watir-webdriver

Tagged: charts, google charts, raveendran, raveendran ruby watir, Ruby google charts, Watir Charts, watir google charts, Watir Map, watir-webdriver, webdriver charts

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Watir WebDriver — Handling New Window December 1, 2011

Situation:

1. You are in Parent Page.

2. Clicking link "Open" in Parent page.

3. It opens new window

4. You need to do actions there and come back to your parent window

Solution:

To Click the Link

```
require 'rubygems'
require 'watir-webdriver'
ff=Watir::Browser.new :ff
ff.goto("website.com")
ff.link(:text,'open').click
```

To handle the New window and performing some actions within that window,

```
ff.window(:title,/TITLE of the new window/i).use do
```

```
ff.send_keys('SampleText')
ff.button(:id,'insert').click
puts ff.title #returns the new window title
end
```
within a loop The button belongs to Newly opened window.
```
puts ff.title #returns the parent window title
```
Posted by raveendran
Filed in Ruby, watir, watir-webdriver
Tagged: watir, watir-webdriver, watir-webdriver new window, web driver, webdriver, webdriver window
2 Comments »

Watir-webdriver cheatsheet October 6, 2011

Getting Started

Load the Watir Webdriver library

```
require 'watir-webdriver'
```

Open a browser (Ex: Internet Explorer)

```
driver = Watir::Browser.new :ie
```

Go to a specified URL

```
driver.goto 'http://www.orbitz.com/'
```

Close the browser

```
driver.close
```

Access an Element

Type something in the Text box or text area

```
driver.text_field(:id,'airOrigin').set("MAA")
```

To Clear the text from text field

```
driver.text_field(:id,'airOrigin').clear
```

Button

To click the button
```
driver.button(:id,'BUTTON_ID'').click
```

Drop down list

To select the value from list
```
driver.select_list(:id,'airStartTime').select("1 am")
```

To get the selected value from select field
```
driver.select_list(:id,'airStartTime').value
```

Check box

To clik the check box

```
driver.checkbox(:id,'airNonStopsPreferred').click
OR
driver.checkbox(:id,'airNonStopsPreferred').set
```
To know the clicked? or not ?
```
driver.checkbox(:id,'airNonStopsPreferred').set?
```

Radio button driver.radio(:id,'htlChoice').click

To verify Flights radio button selected or not

```
driver.radio(:id,'htlChoice').set?
```

#if it returns TRUE then radio button already selected.

To get the title of the webpage puts driver.title

Return true if the specified text appears on the TAG

```
puts driver.li(:class,'welcomeText').text.include("Welcome to Orbitz")
```

To Click SPAN Elements driver.span(:text,'Find Flights').click
Posted by raveendran
Filed in cheat, cheat sheet, QA, Ruby 1.9, ruby excercise, watir, watir-webdriver
Tagged: ruby watir, ruby watir cheatsheet, ruby watir-webdriver, watir, watir-webdriver, watir-webdriver cheatsheet, watir-webdriver doc, web driver
2 Comments »
To access the elements within IFrame using Selenium WebDriver (Ruby) October 5, 2011
Situation :
User want to click the field which is placed within 2 IFrames using selenium webdriver.
Field — Friendship
Source code for "Friendship" — <nobr>Friendship</nobr>
Frame ID's –" nav" and "JobplaceFrame"
Code:
require 'rubygems'

```
require 'selenium-webdriver'
$browser = Selenium::WebDriver.for :ie
$browser.get "http://URL.com"
current_title=$browser.title
if current_title == "TITLE OF THE WEBPAGE"
puts "step 1 passed"
else
puts "step1 failed"
exit
end
$browser.switch_to.frame('nav') #parent Frame
$browser.switch_to.frame("JobplaceFrame") #Child frame
options=$browser.find_elements(:tag_name=>"nobr")
```

```ruby
options.each do |nobr_field|
if nobr_field.text == 'Friendship'
nobr_field.click
break
end
end
```

Posted by raveendran

Leave a Comment »

Selenium WebDriver – Cheat Sheet September 5, 2011

Getting Started

Load the Selenium Webdriver library

```ruby
require 'selenium-webdriver'
```
Open a browser (Ex: Internet Explorer)
```ruby
driver = Selenium::WebDriver.for :ie
```
Go to a specified URL
```ruby
driver.navigate.to 'http://www.orbitz.com/'
driver.get 'http://www.orbitz.com/'
```
Close the browser
```ruby
driver.close
```
Access an Element
Type somethign in the Text box or text area
```ruby
driver.find_element(:id,'airOrigin').send_keys("MAA")
```
To Clear the text from text field
```ruby
driver.find_element(:id,'airOrigin').send_keys [:control, 'a'], :space
```
Button
```ruby
driver.find_element(:id,'BUTTON_ID").click
```
Drop down list
```ruby
select_box=driver.find_element(:id,'airStartTime')
options=select_box.find_elements(:tag_name=>"option")
options.each do |option_field|
if option_field.text == '12a-9a'
option_field.click
break
end
end
```
Check box
```ruby
driver.find_element(:id,'airNonStopsPreferred').click
```
Radio button
```ruby
driver.find_element(:id,'htlChoice').click
```
To verify Flights radio button selected or not
```ruby
driver.find_element(:id,'airChoice').selected?
#if it returns TRUE then radio button already selected.
```
Return the title of the document
```ruby
puts driver.title
```
Return true if the specified text appears on the TAG
```ruby
puts driver.find_element(:class,'welcomeText').text.include?("Welcome to Orbitz")
```
To Click SPAN Elements
```ruby
options=driver.find_elements(:tag_name=>"span")
```

```
options.each do |span_field|
if span_field.text == 'Find Flights'
span_field.click
break
end
end
```
Posted by raveendran

6 Comments »

Selenium IDE to Selenium WebDriver Ruby code conversion September 2, 2011
1. Install Latest Mozilla Firefox browser (Now 6.0.x)
2. Install Latest Selenium IDE(Now 1.2.0) from http://seleniumhq.org/download/
3. Restart Fire fox — Open Selenium IDE (Tools –> Selenium IDE)
4. Options — Click Options
5. Change the settings like below

6. Record few actions in IDE and save the recorded script.
7. Refer Screenshot to convert it into Selenium WebDriver ruby code.
Posted by raveendran

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Handling Select Box using selenium-webdriver rubygem August 19, 2011
Handling Select Box using selenium-webdriver rubygem
Assuming that select field –> name is 'num' and it has options –> "10 results" and "20 results"
User need to select "20 results" from selct box
Code:
```
a=driver.find_element(:name,'num')
options=a.find_elements(:tag_name=>"option")
options.each do |g|
if g.text == "20 results"
g.click
break
end
end
```
Posted by raveendran

1 Comment »

Selenium WebDriver Basics – Ruby August 18, 2011
Installation:
1. Install Ruby
2. In Command Prompt >gem install selenium-webdriver
3. Copy and Paste the below code and save the file as sample_raveendran.rb
```
require 'rubygems'
require "selenium-webdriver"
driver = Selenium::WebDriver.for :ie
```

```ruby
driver.navigate.to "http://google.com"
if driver.title == "Google"
puts "Testcase 1 passed"
else
puts "Testcase 1 failed"
end
q = driver.find_element(:name, 'q')
q.send_keys "Raveendran Selenium"
q.submit
sleep 5
if driver.title == "RAVEENDRAN SELENIUM – Google Search"
puts "Testcase 2 passed"
else
puts "Testcase 2 failed"
end
q=driver.page_source
if q.include?("raveendran.wordpress.com")
puts "Testcase 3 passed"
else
puts "Testcase 3 failed"
end
driver.navigate.to "http://google.com"
a=driver.find_element(:link,'Advanced search')
a.click
if driver.title == "Google Advanced Search"
puts "Testcase 4 passed"
else
puts "Testcase 4 failed"
end
a=driver.find_element(:name,'as_q')
a.send_keys("Raveendran Selenium")
a=driver.find_element(:name,'num')
options=a.find_elements(:tag_name=>"option")
options.each do |g|
if g.text == "20 results"
g.click
break
end
end
a=driver.find_elements(:xpath=> '/html/body/table[2]/tbody/tr/td/table/tbody/tr/td/div
/form/div/table[4]/tbody/tr/td/input')
a.each do |b|
b.click
end
sleep 4
if driver.title == "RAVEENDRAN SELENIUM – Google Search"
puts "Testcase 5 passed"
else
puts "Testcase 5 failed"
end
```
4. Run the ruby code
5. The Output looks like

Testcase 1 passed
Testcase 2 passed
Testcase 3 passed
Testcase 4 passed
Testcase 5 passed
Posted by raveendran
Filed in Selenium-webdriver
Tagged: basic in selenium-web driver ruby, selenium, selenium driver, selenium ruby, selenium-webdriver, webdriver selenium
Leave a Comment »
Google SketchUp Ruby API August 13, 2011
Steps to complete the installation and Demo :

1. Install Google SketchUp
2. Install Ruby
3. Create a script file named as googlesketch.rb

UI.messagebox('Woooo!! Welcome to Google Sketch World......')

4. Save it in the Plugins folder
("c:\Program Files\Google\Google SketchUp [n]\Plugins")

5. To run our plugin we simply need to start Sketchup
(or restart, if it's already open.)

6. If everything went well you'll see "Woooo!!
Welcome to Google Sketch World......" every time
you start the program.This one line of code uses
the UI module's messagebox method to show the alert
box. UI is one of the "big three" modules that
provide hooks for manipulating SketchUp with Ruby.
The other modules are SketchUp and Geom.
We'll learn more as we go through the other tutorials.

Conclusion

Congratulations! You've successfully written your first SketchUp Plugin.

For more Details --> http://code.google.com/apis/sketchup/
Posted by raveendran
Filed in Google skethcup
Tagged: api, google sketchup, ruby api, sketchup
Leave a Comment »
Read and Write microsoft word 2007 document with win32ole library June 3, 2011
Installtion
a. >gem install win32ole-pp
Code to Read:
require 'win32ole'
word = WIN32OLE.new('word.application')
word.visible = true
word.documents.open('D:\\Mine\\Ruby-Learn\\test1.docx')
word.selection.start = 0

```
word.selection.end = 1000
puts word.selection.text
word.quit
Code to Write:
require 'win32ole'
word = WIN32OLE.new('word.application')
word.visible = true
word.documents.open('D:\\Mine\\Ruby-Learn\\test2.docx')
word.selection.typetext("raveendran World!\n")
word.activedocument.saveas 'D:\\Mine\\Ruby-Learn\\test3.doc', 2
word.quit
```

Posted by raveendran

Filed in win32ole, word

Tagged: doc, microsift word, microsoft word, microsoft word 2007, read doc ruby, read docx ruby, read microsoft word 2007 using ruby, read word from docx, ruby doc, ruby word, win32ole doc, win32ole docx, win32ole-pp, win32ole-pp gem, word, word doc, word docx

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