# splinter Documentation

***Release 0.8.0***

**andrews medina**

May 04, 2018

Contents

Splinter is an open source tool for testing web applications using Python. It lets you automate browser actions, such as visiting URLs and interacting with their items.

CHAPTER 1

# Sample code

```
from splinter import Browser

with Browser() as browser:
    # Visit URL
    url = "http://www.google.com"
    browser.visit(url)
    browser.fill('q', 'splinter - python acceptance testing for web applications')
    # Find and click the 'search' button
    button = browser.find_by_name('btnG')
    # Interact with elements
    button.click()
    if browser.is_text_present('splinter.readthedocs.io'):
        print("Yes, the official website was found!")
    else:
        print("No, it wasn't found... We need to improve our SEO techniques")
```

**Note:** if you don't provide any driver to `Browser` function, `firefox` will be used.

CHAPTER 2

# Features

- simple api
- multi webdrivers (chrome webdriver, firefox webdriver, phantomjs webdriver, zopetestbrowser, remote webdriver)
- css and xpath selectors
- support to iframe and alert
- execute javascript
- works with ajax and async javascript

what's new in splinter?

CHAPTER 3

# Getting started

- Why use Splinter
- Installation
- Quick tutorial

CHAPTER 4

# Basic browsing and interactions

- Browser and navigation
- Finding elements
- Mouse interactions
- Interacting with elements and forms
- Verify the presence of texts and elements in a page, with matchers
- Cookies manipulation

CHAPTER 5

# JavaScript support

- Executing JavaScript

CHAPTER 6

# Walking on...

- Dealing with HTTP status code and exceptions
- Using HTTP proxies
- Interacting with iframes, alerts and prompts
- Full API documentation

CHAPTER 7

# Drivers

## Browser based drivers

The following drivers open a browser to run your actions:

- `Chrome WebDriver`
- `Firefox WebDriver`
- `Remote WebDriver`

## Headless drivers

The following drivers don't open a browser to run your actions (but has its own dependencies, check the specific docs for each driver):

- `Chrome WebDriver`
- `Firefox WebDriver`
- `Phantomjs WebDriver`
- `zope.testbrowser`
- `django client`
- `flask client`

## Remote driver

The remote driver uses Selenium Remote to control a web browser on a remote machine.

- `Remote WebDriver`

CHAPTER 8

# Get in touch and contribute

- Community
- Contribute
- Writing new drivers
- Setting up your splinter development environment