

# **Converting from Selenium/Perl to Selenium/Python with the Page Object Model: Six Very Useful Aids**

Mary Ann May-Pumphrey

Automation QA Engineer

Adobe EchoSign

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# Motivation for Conversion

- Start of a new job seemed like good time for fresh approach to automation.
- Perl officially supported by Selenium-1, but not by Selenium-2.
- The page object model was garnering more and more attention/discussion.
- What little I knew about the page object model made a lot of sense.

# Aid #1

## *The Quick Python Book*, 2nd ed.

- Just the right length--360 pages
- Short, simple examples
- Impressive *lack* of typos, errors, etc.
- Coding conventions covered early on
- Well organized:
  - *Starting out*
  - *The essentials*
  - *Advanced language features*
  - *Where can you go from here?*

## Aid #2

# Python Module of the Week Blog

- Most EchoSign tests require checking for receipt & content of one or more emails.
- Selenium automation for checking these emails didn't seem like a good solution.
- The PyMOTW for Python's [imap4lib](#) had me up and running in one afternoon.

## Aid #3

# PushToTest-Sponsored Webinar: "Selenium--You Are Doing It Wrong"

- Presented by Selenium developer and consultant Adam Goucher
- Consists of a series of crisp two-liners, e.g.,
  - My goal is to replace humans and push to production faster. (wrong)*
  - My goal is to let humans test higher quality builds with greater efficiency. (right)*
- Resulted in my decision to go with the page object model.

## Aid #4

# PushToTest-Sponsored Webinar: “ Selenium Python Page Objects”

- Also presented by Adam Goucher.
- Tests should contain business logic; page object files should contain locators, assertion methods, and all calls to Selenium API.
- Presentation mentioned that if one did page objects “right,” one could conceivably switch the underlying framework from Selenium to something else without having to modify one’s tests!

# Aid #5

## AG's **pysaunter** Framework

- Includes examples for both Selenium-RC and Selenium-Webdriver.
- Well supported in terms of both bug fixes and implementation of new-feature requests.
- Makes it very easy to get started with the object-oriented page object model methodology for creating Selenium tests.
- Produces a series of snapshots of each test during execution for easy analysis of failures.
- Eliminates need for every QA group to (re-)architect an automation framework.

# Aid #6

## Selenium Meetups!

- I've been attending the very useful [San Francisco Selenium Meetup](#) on and off for the last year+.
- Sauce Labs--the SF Selenium Meetup sponsor--recently posted an [article](#) on how to start one's own Selenium Meetup.
- Commuting to SF and back again on a week night in order to attend the Meetup was a hassle.
- Voila! The [San José Selenium Meetup](#) is live!



Q & A