

Selenium

Adding real browsers to your tests!

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About

Kamilla Holanda Crozara

Finishing the Bachelor's degree – Software Engineering at University of Brasília (Brazil)

Working as a guest researcher at National Institute of Standards and Technology (NIST)

2 years learning Python

Selenium IDE and WebDriver

History and Goals

How do I use it?

Demo 000!

Exporting and Cleaning up!

Demo 001!

Better examples.

Demo 002!

Good practices

Real Case - SRD Test Suite

SAMATE Reference Dataset

Big data base with a set of know security flaws

Help developers of security assurance tools

DRY

Real Case - SRD Test Suite

Write small tests

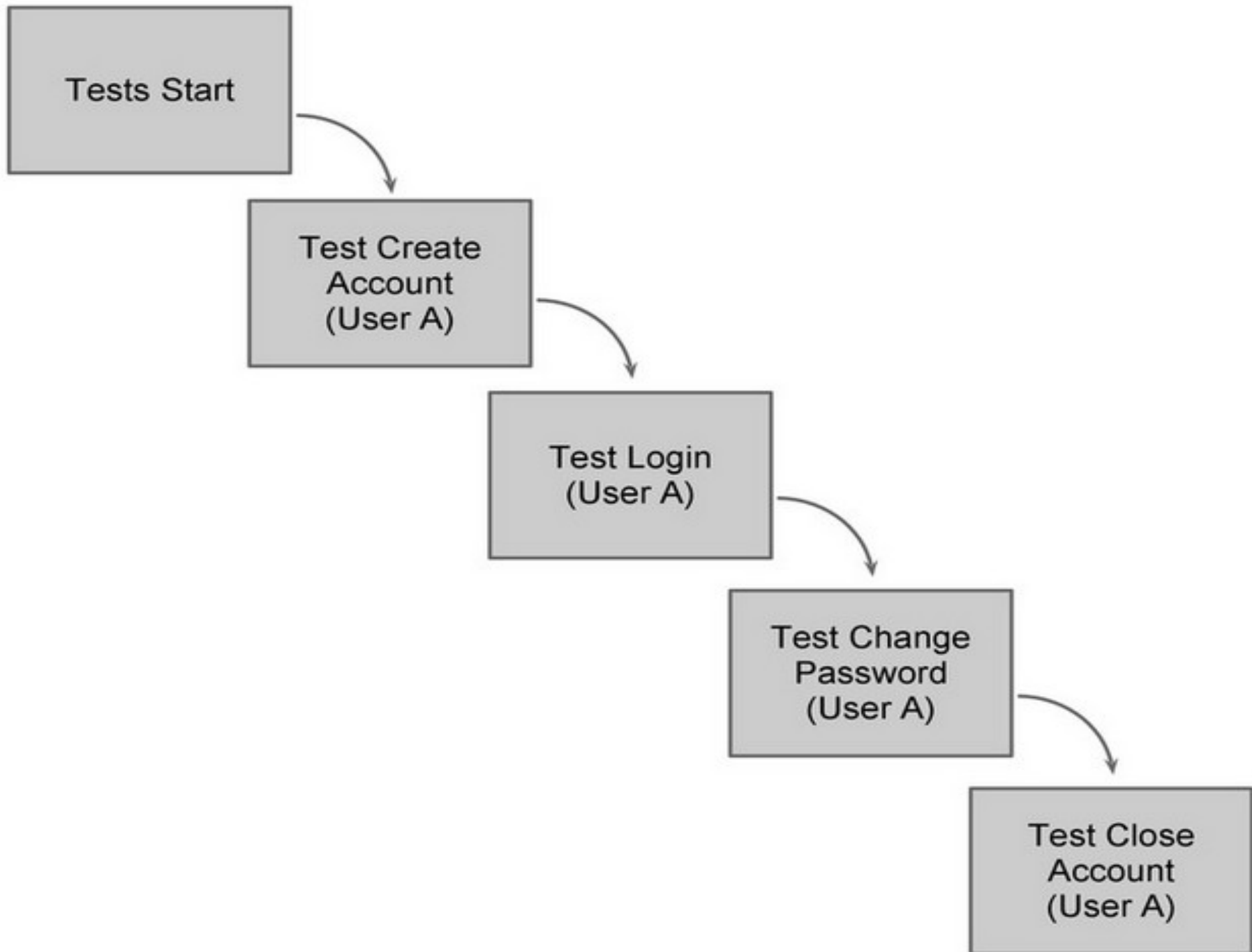
Real Case - SRD Test Suite

```
1 def test_srd_sd_searchtab_tc(self):
2     """Test all the fields on Search/Download tab"""
3     ...
4     ...
5     ...
```

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Avoiding inter-test dependencies

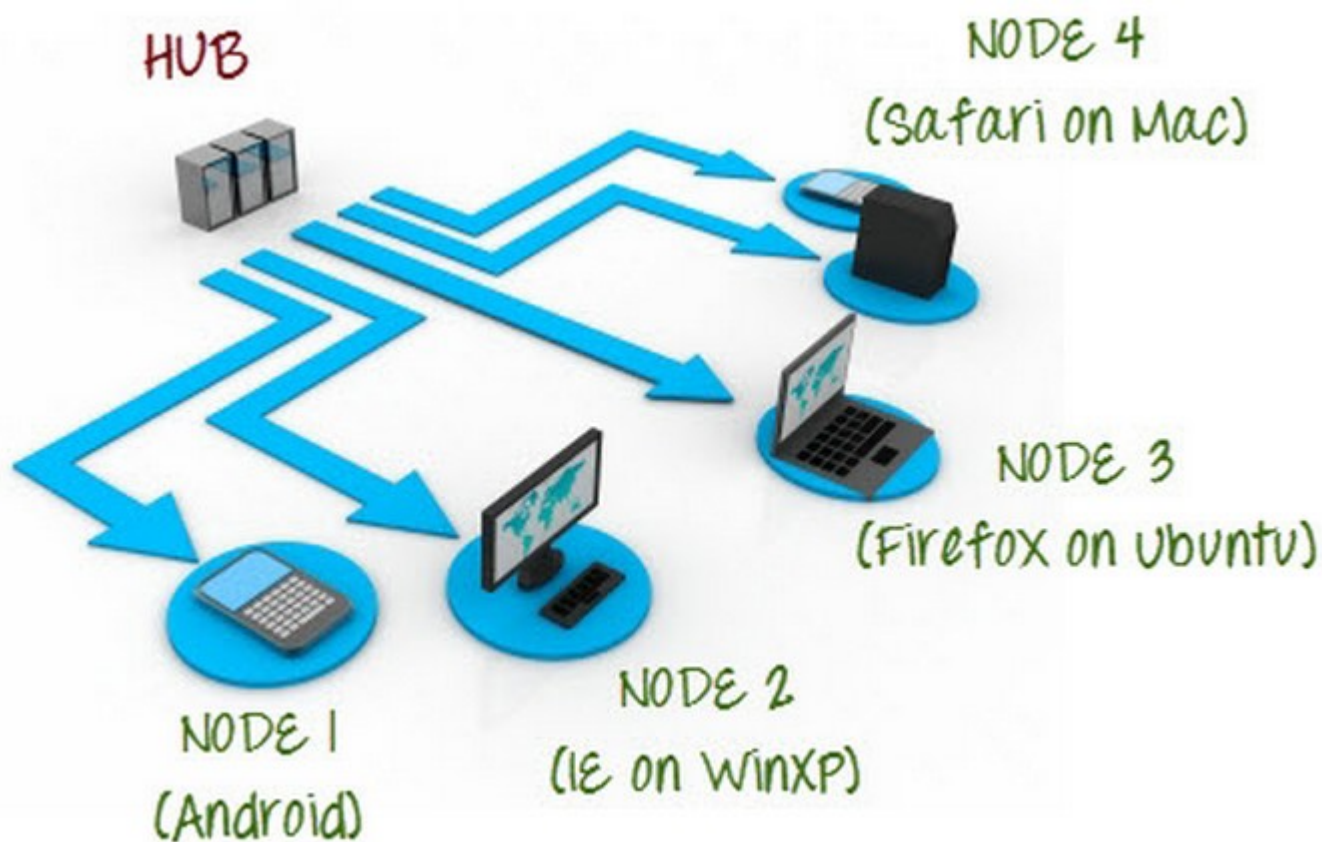
Real Case - SRD Test Suite



In progress - Better error messages

Real Case - SRD Test Suite

Bonus – Selenium Server



Useful links:

<http://www.seleniumhq.org/projects/webdriver/>

[https://groups.google.com/forum/#!
forum/selenium-developers](https://groups.google.com/forum/#!forum/selenium-developers)