Selenium WebDriver

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 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

DRY

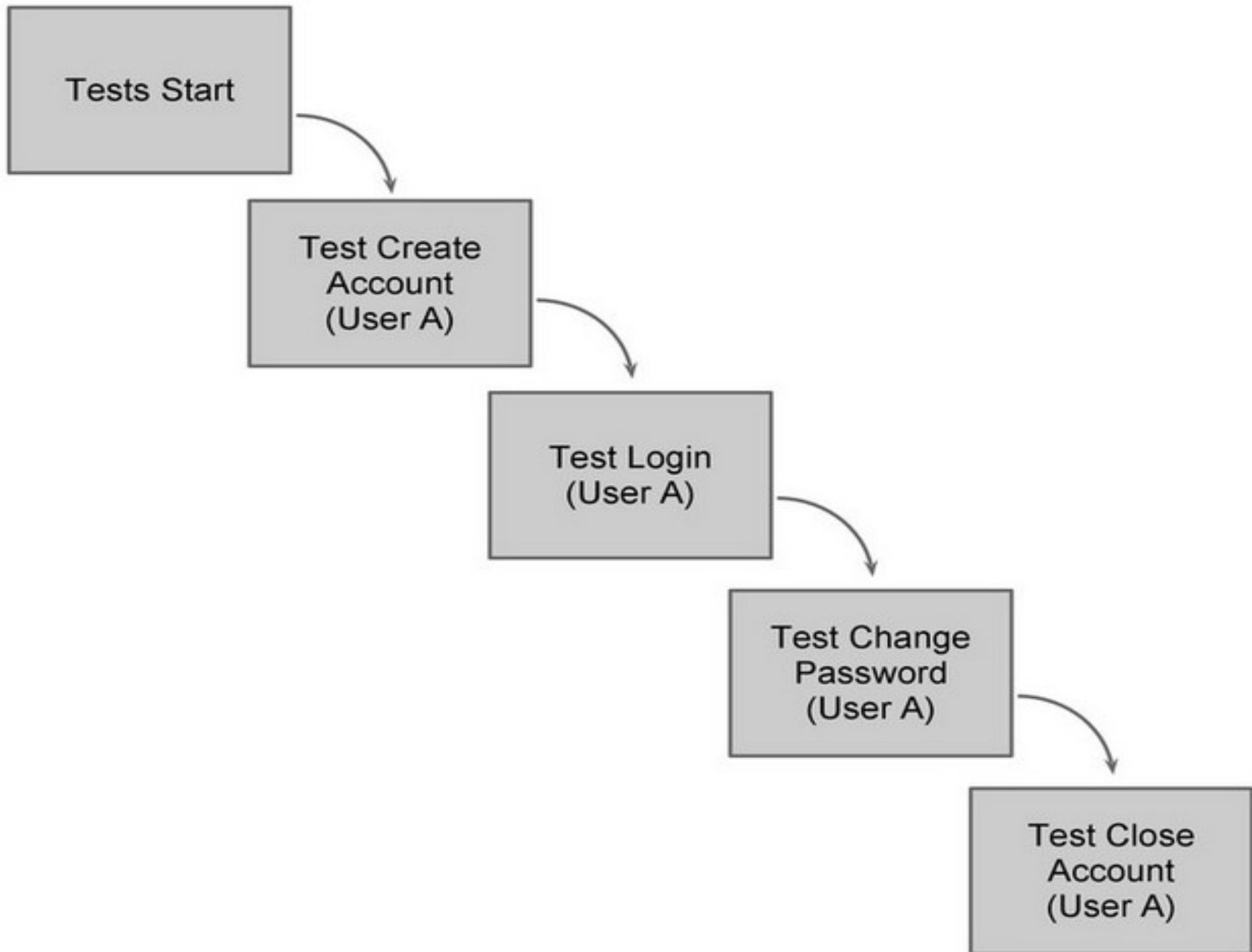Real Case - SRD Test Suite

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      ...
```

:,(

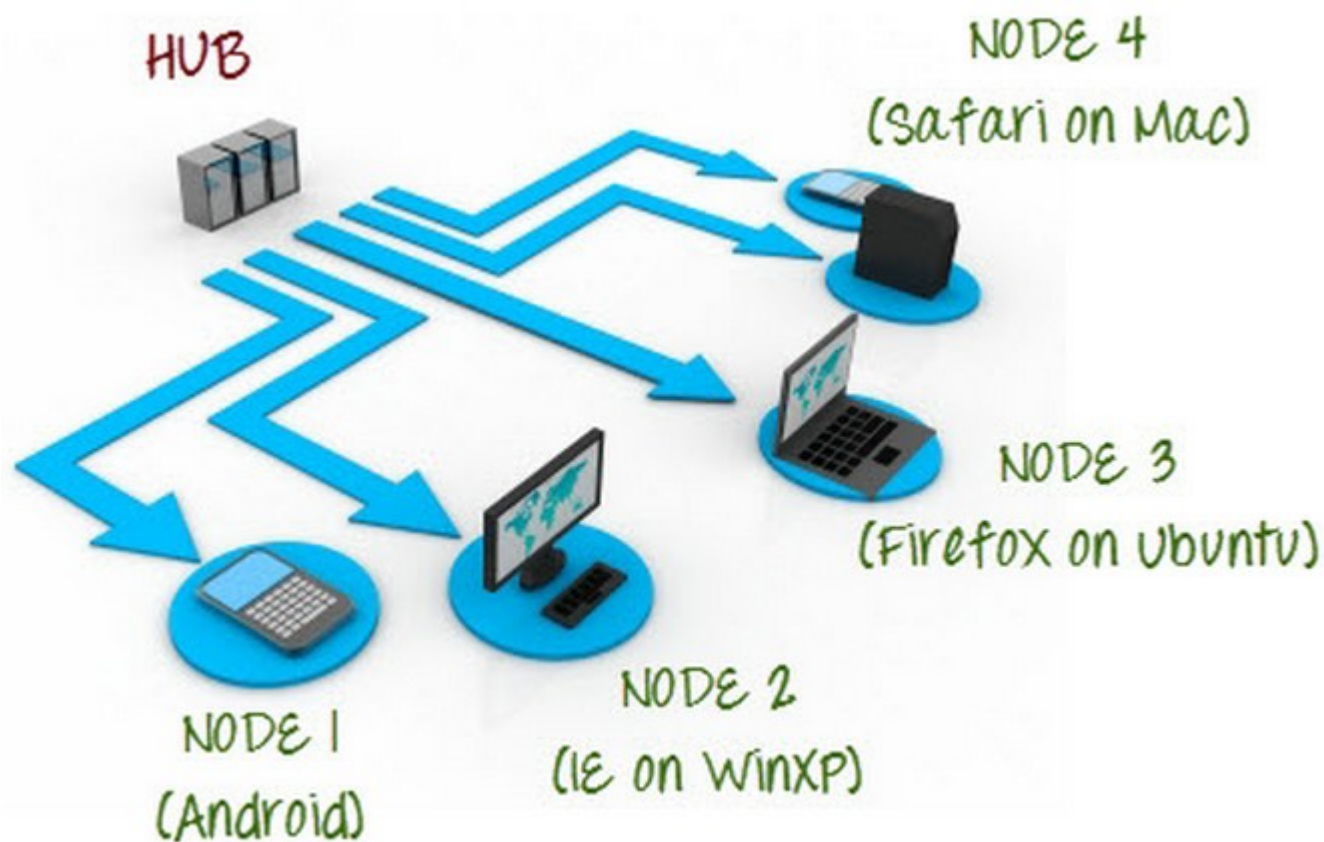# Avoiding inter-test
dependencies
Real Case - SRD Test Suite

```
┌─────────────────┐
│                 │
│   Tests Start   │
│                 │
└─────────────────┘
          ↓
        ┌──────────────────┐
        │   Test Create    │
        │    Account       │
        │    (User A)      │
        └──────────────────┘
                  ↓
              ┌──────────────────┐
              │   Test Login     │
              │    (User A)      │
              │                  │
              └──────────────────┘
                        ↓
                    ┌──────────────────┐
                    │  Test Change     │
                    │   Password       │
                    │   (User A)       │
                    └──────────────────┘
                              ↓
                          ┌──────────────────┐
                          │   Test Close     │
                          │    Account       │
                          │    (User A)      │
                          └──────────────────┘
```

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