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 at Nation Institute of Standards and Technology (NIST)

2 years working with 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

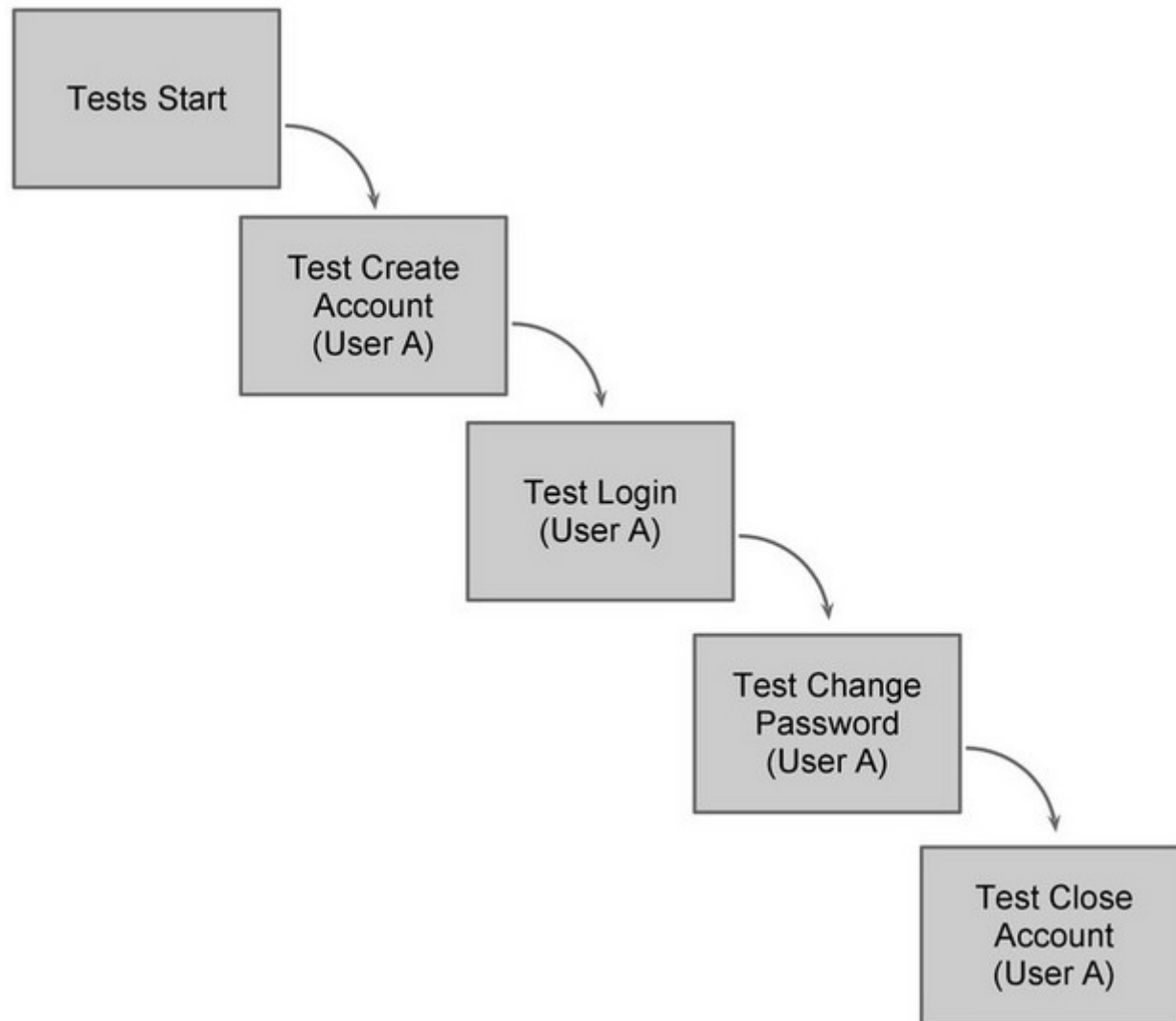**Real Case - SRD Test Suite**

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