

Selenium 4 Fundamentals with Java

Understanding Selenium



Andrejs Doronins

Software Developer in Test



Selenium 4 Fundamentals with Java

Version Check



Version Check



This course was created by using:

- Selenium 4.8



Version Check



This course is 100% applicable to:

- Selenium 4.6 or higher



Prerequisites



**No coding skills needed for the module
“Selenium IDE”**

The rest of the course:

- Java (1+ years of experience)
- IDE (e.g. IntelliJ)
- Writing any kind of automated tests

Nice to have:

- HTML basics



Tag

```
<form>
  <div class="form-group">
    <label for="nameInput">Name</label>
    <input class="form-control" id="nameInput" placeholder="John">
  </div>
  <button type="submit" class="btn btn-primary">Submit</button>
</form>
```

Attribute





What is Selenium and what is its purpose?



Selenium 4: The Big Picture

by Andrejs Doronins

Selenium is a popular and mature technology for End-to-end Test Automation. In this course, you will learn about Selenium, its core components, what it can and cannot do for you, and determine if it's a good fit for your project needs.

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Web Scraping

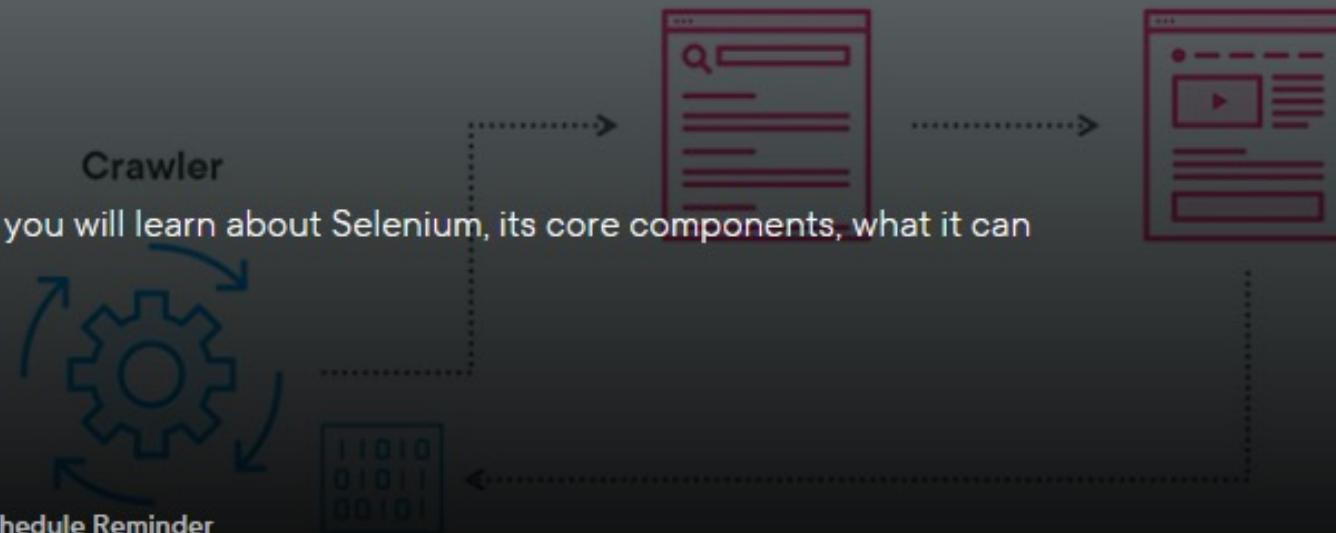


Table of contents

Description

Transcript

Exercise files

Discussion

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Course Overview

✓ 1m 17s ▾

Understanding What Selenium Is and Why You Should Use It

✓ 46m 35s ▾

Course author



Andrejs Doronins

Andrejs is a Quality Assurance professional with over 6 years of experience. He specializes in Test Automation but does not neglect the importance of getting involved in the Software Development...

Course info

Level Beginner

Rating ★★★★ (21)

My rating ★★★★★

Duration 0h 47m

Updated 30 Nov 2022



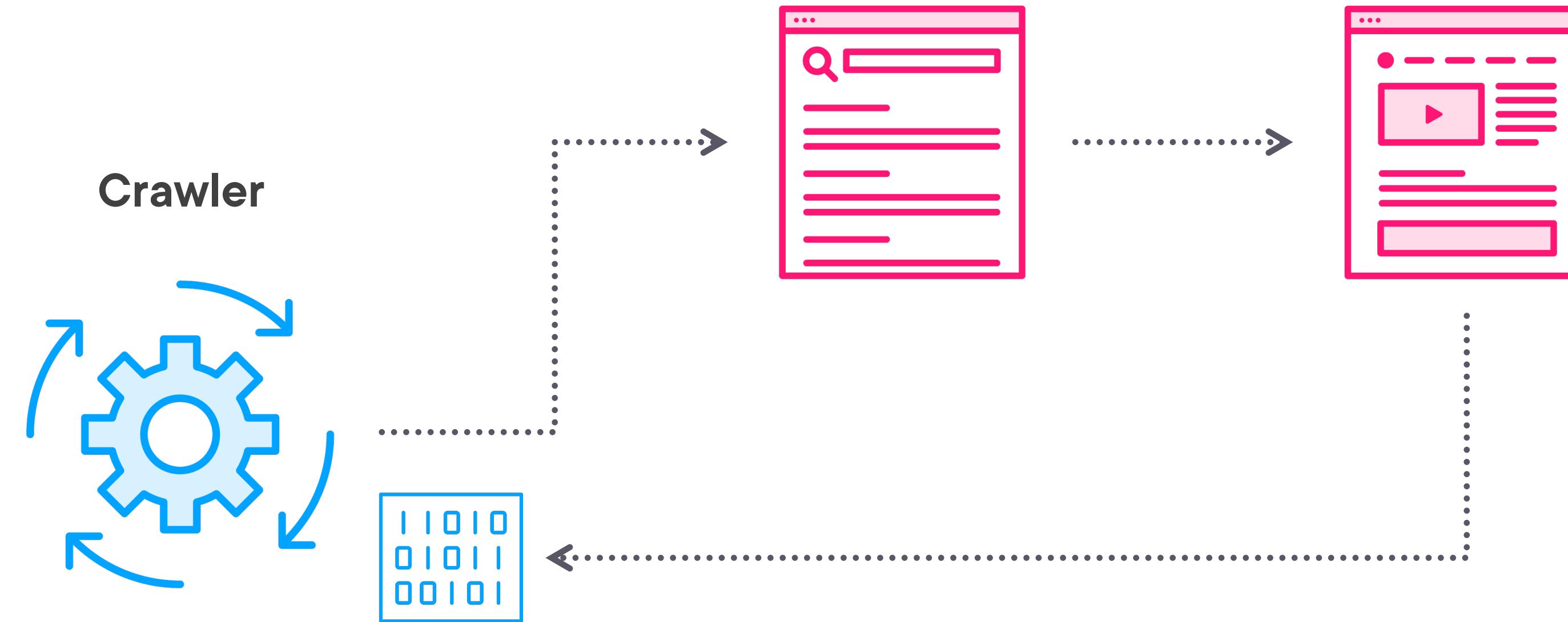


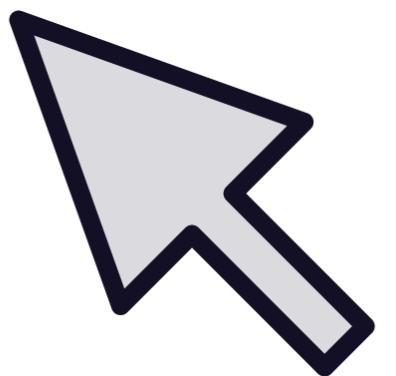
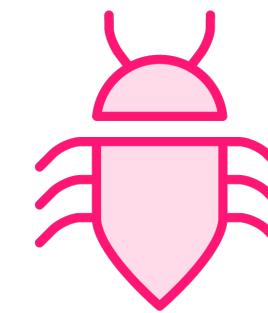
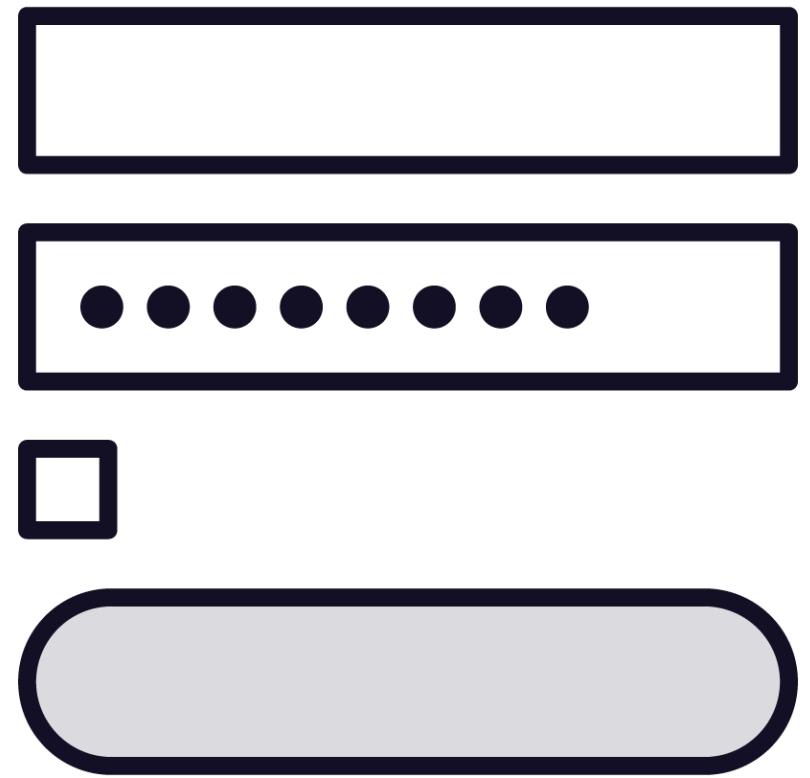
Automate mundane repetitive tasks, for example:

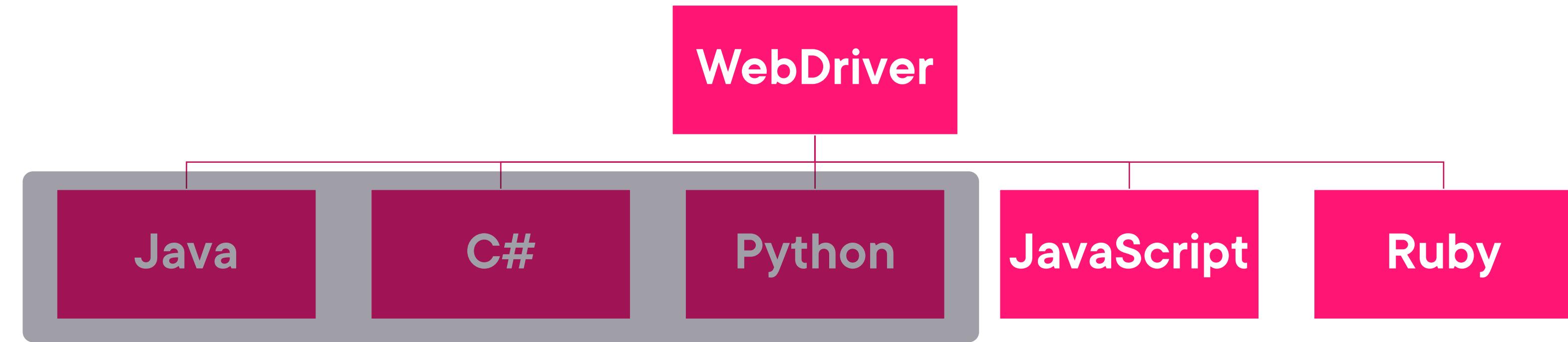
1. Go to a website
2. Copy some data
3. Paste into a spread sheet



Web Scraping



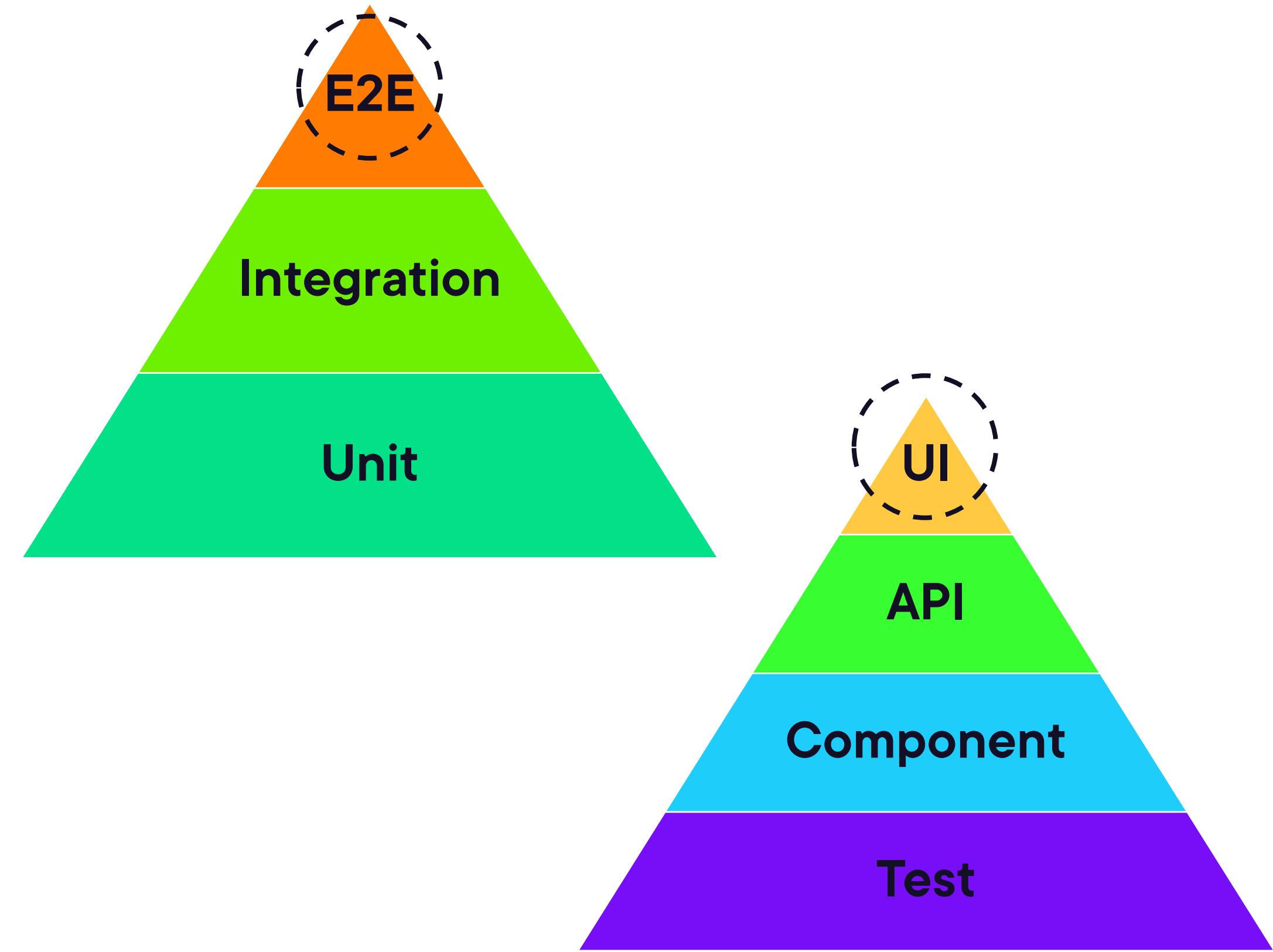
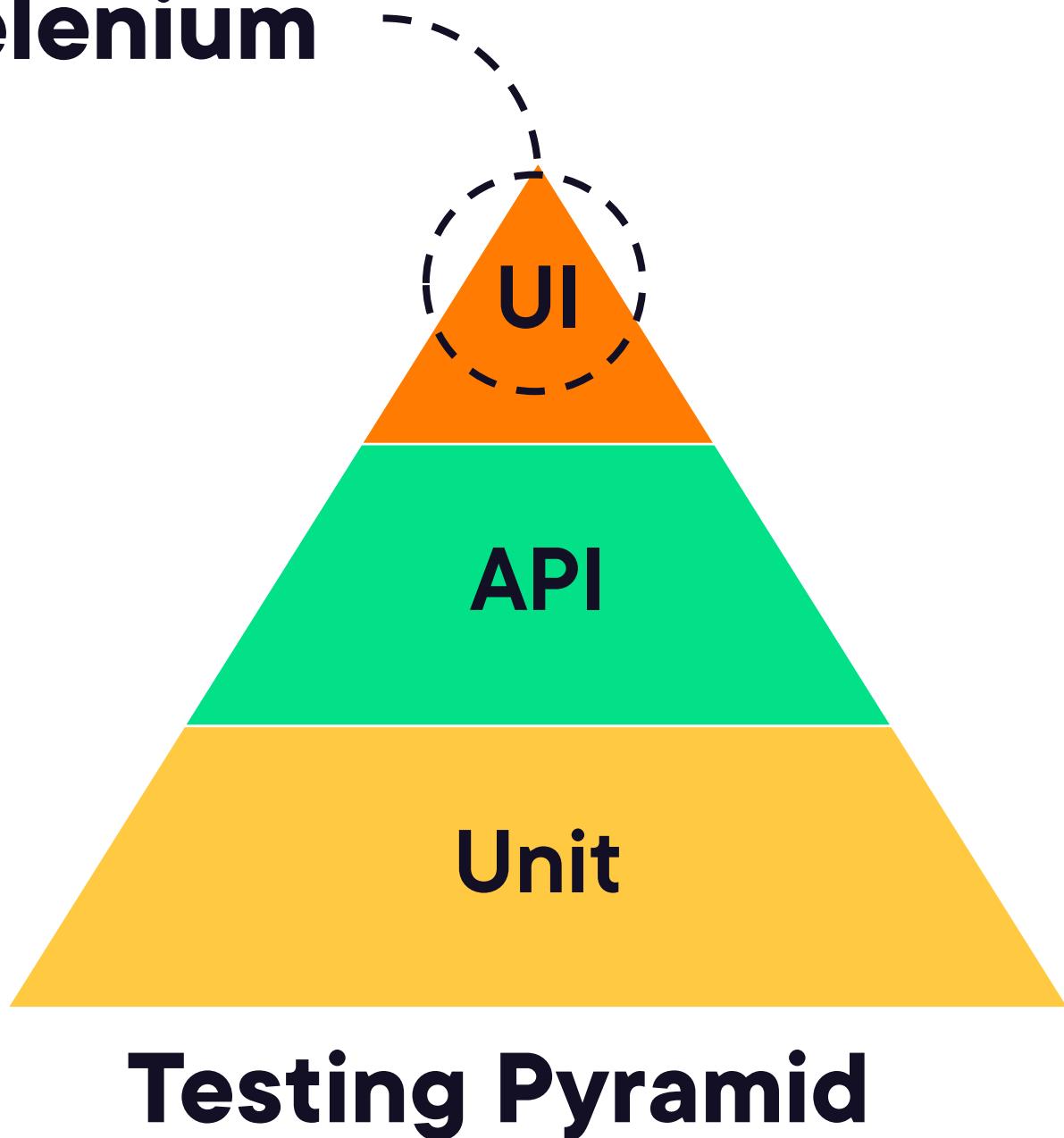


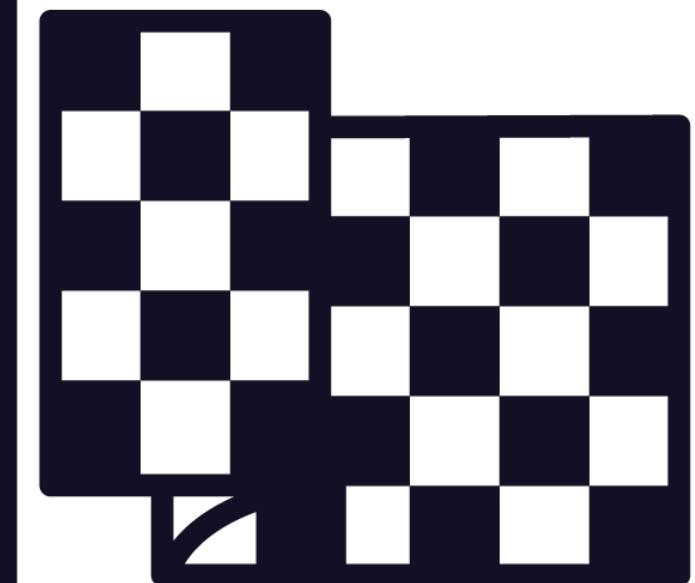


Most used



**Done by
Selenium**





Selenium tests are (relatively) slow and expensive

But they are worth it

It is not a replacement for all testing





Don't use Selenium for:

- Performance testing
 - Use dedicated tools, e.g. JMeter

Selenium can't replace:

- User Experience (UX) and general testing
 - Easy and intuitive to use the app?
 - App fulfills users' needs?
 - Estimate what the risks are?





Test automation is not a replacement for testing

It does not automate the brain work



Overview

Selenium IDE (Record and Playback)

Selenium WebDriver

- Project setup
- Basic actions
- Selecting elements
- Advanced actions
- Apply useful configuration
- Using ChromeDevTools (CDP)

Apply refactoring and create an Automation Framework

