

# Introducing WebDriver



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Software Developer in Test

# Overview

**Demo app introduction**

**Set up the project**

**Coding, coding, coding**



# Tech Stack



**OS: Windows**

**Java 19 (not an LTS version)**

- Comes with a simple web server
- Java 11 or higher is OK for most of the course

**IDE: IntelliJ**

**Test Runner: TestNG**

**Maven**



# Test Runners Used



Andrejs Doronins • You

Author of Pluralsight Courses on Java, Test Automation and Code Quality | I ...

1mo •

•••

#selenium #testautomation

If you worked on a Java Selenium project, which Test Runner was used?

Thank you for participating.

You can see how people vote. [Learn more](#)

JUnit (any version)

20%

TestNG

80%

[270 votes](#) • Poll closed



# JUnit 5 vs TestNG

**JUnit 5**

**VS**

**TestNG**

**@Test**

**@BeforeEach**

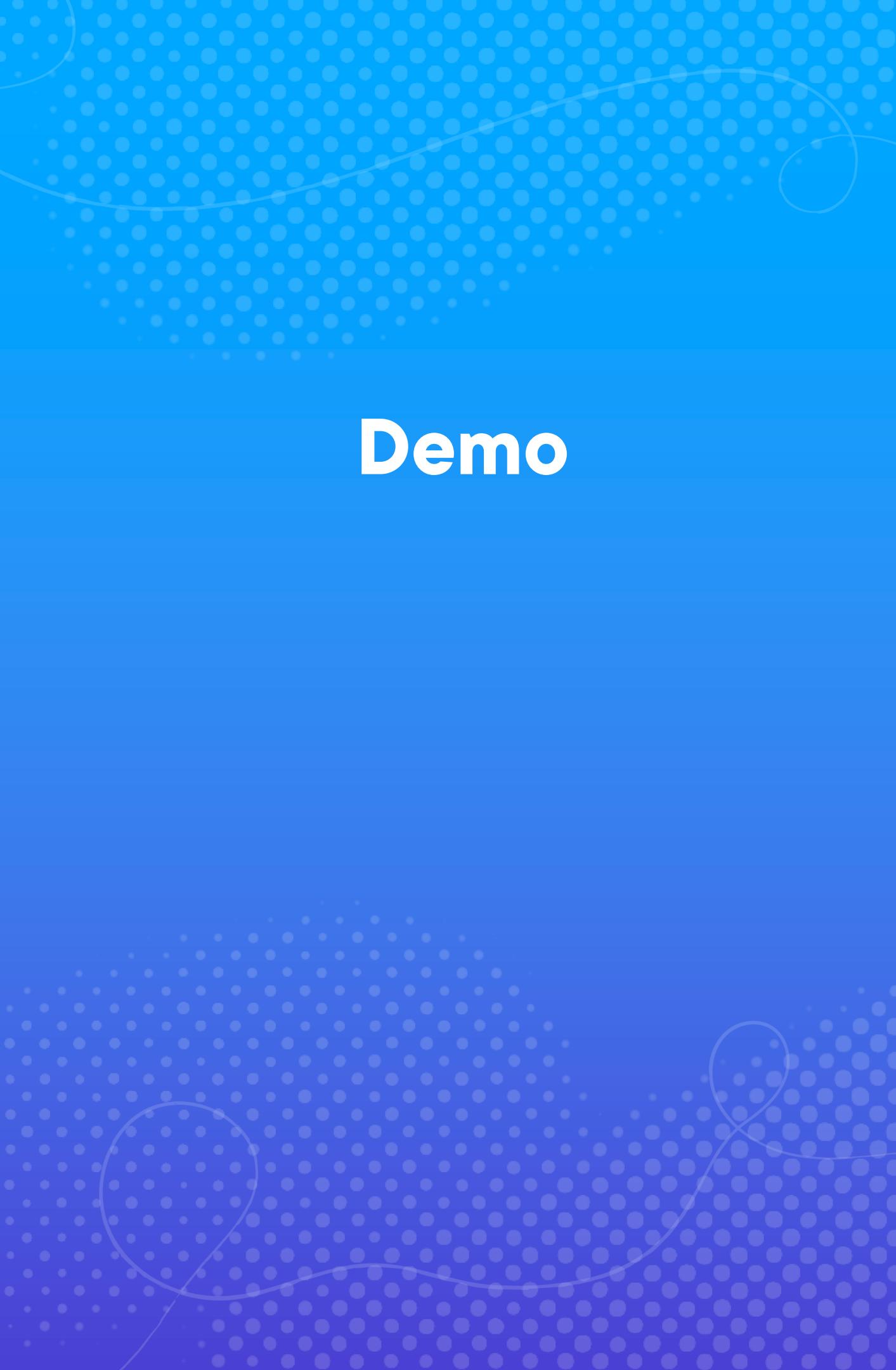
**@AfterEach**

**@Test**

**@BeforeMethod**

**@AfterMethod**





Demo

Setting up the project



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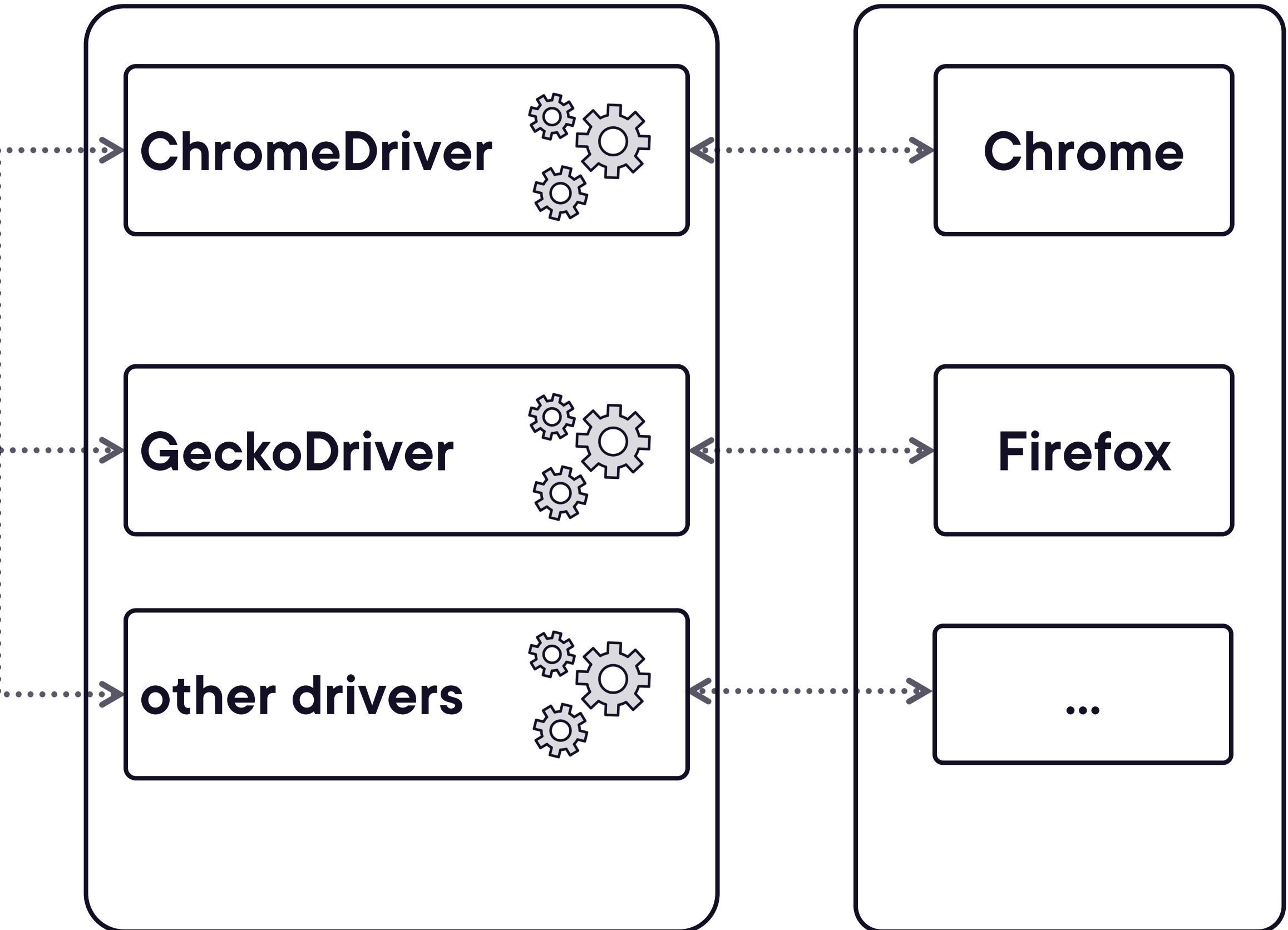
[Description](#)

[Transcript](#)

[Exercise files](#)



**WebDriver  
API (Java, C#, other)**



# Releasing Resources

```
// Closes all tabs and windows  
driver.quit();
```

```
// Closes the current tab only  
driver.close();
```



Remains open



```
<input type="text">  
  
<button>Submit</button>  
  
<select name="languages">  
  <option value="Java">Java</option>  
  <option value="Python">Python</option>  
</select>
```



**WebElement**



selectByValue()

```
<select name="period">  
    <option value="6 months">6 months</option>  
    <option value="1 Year">1 Year</option>  
    <option value="2 Years" style="background-color: #fce4ec;">2 Years</option>  
</select>
```

selectByVisibleText()

selectByIndex(2)



```
interface WebElement {  
  
    boolean isEnabled();  
  
    boolean isDisplayed();  
  
    boolean isSelected();  
  
    // ...  
}
```



# Summary

## Set up the project

### Actions:

- Navigate, click, type, select, etc.

## **findElement() vs. findElements()**

**By.id("some\_id")**



**Up Next:**

# **Learning How to Select Elements**

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