



Open Source Testautomation

Kickstart Tutorial with Selenium & Cucumber & Kotlin

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Which tools does a ordinary software tester have to understand?

Docker, Kubernetes, git, Jenkins, Appium,

What's necessary for good Selenium tests?

- PageObject handling (PageObjectPattern)
- Testdatacontainer
- Multiple WebSession Handling
- WebDriverManager (by Boni Garcia)

- Cucumber
- Selenium
- Cucable (support for parallel execution)
- Cucumber Picocontainers (dependency injection)
- WebdriverManager (Versioncontrol for WebDriver)
- Cluecumber (Reporting)

- Clone/fork it from github
<https://github.com/boris779/SeCuton>
- Adapt Parameters (baseUrl)
- Define your first scenario

Developing test scenarios - suggestions

- Write scenario
- Run your tests
- Create missing steps from testlog or IDE
- Define your page actions
- Create page objects (if necessary)
- Rerun your tests

Live Coding

fast test development



peso
PERFECTING SOFTWARE

- Opensource tools for test/test automation
 - can compare with commercial tools
- Test engineers skills
- Fast test development
- Integration to CI/CD

References

- IntelliJ J
<https://www.jetbrains.com/idea/>
- Kotlin
<https://kotlinlang.org/>
- SeCuton (maven with a lot of dependencies)
<https://github.com/boris779/SeCuton>
- Docker
<https://www.docker.com/>
- Selenium (docker)
<https://aerokube.com/selenium/>

References

- WebDriverManager
<https://github.com/bonigarcia/webdrivermanager>
- Cucumber
<http://cucumber.io>
- Cucumber PicoContainer
<https://github.com/cucumber/cucumber-jvm/tree/master/picocontainer>
- assertK
<https://github.com/willowtreeapps/assertk>

References

- Portainer
<https://www.portainer.io/>
- Jenkins (docker)
<https://hub.docker.com/r/jenkins/jenkins/>