

A Brief Intro to Geb & Spock

Groovy Tools for better tests

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- Aim of talk
- Target audience
- Groovy - brief chat
- Geb & Code Examples
- Spock & Code Examples
- Interested? [Learn more here](#)

Geb

- Leverages expressive power of the Groovy lang
- Builds upon power of WebDriver
- Adds JQuery-style content selection
- Advanced Page Object support
- Advanced support for asynchronous testing
- All combine to make natural language style tests a possibility

Groovy - the language

- Think of it as Java with a bunch of handy features
- Expressive language. Important for readable tests
- Groovy is a superset of Java. It's 99% Java syntax compatible.
- Groovy - how do I get started?
 - Example project shows required maven deps + plugins
- Discovering Groovy via Geb+Spock

Groovy - Making Things Trivial

- Working with JSON, XML, CSV
- Working with Collections i.e. Lists, Maps, Arrays
- Querying DBs and manipulating the results
- Lot's of user-friendly wrappers of popular Java libraries e.g. Apache HTTP client
- Generally a story of increased productivity

Geb

- Code Examples

Spock

- "Name the tests whatever" - no more *methodName* restrictions
- "Add comments to test steps" and use to generate detailed reports
- Powerful support for Data-Driven tests
 - i.e. re-running same test with different inputs + expectation
- Supporting readability as a first class concern

Spock

- Code Examples

Geb - features not covered

- Screenshot management
- Config management
- Ad-hoc "wait" support
- Window/Frame support
- Unexpected pages
- Driver caching
- JavaScript + JQuery interaction

Spock features - not covered

- Lots and lots
- Very powerful as a unit testing framework
- Very powerful built-in support for Stubbing + Mocking

Summary

- Geb + Spock treat Readability as a first class concern
- Geb's Page Object support is a productivity win
- Write less support code, write more and better tests
- Groovy excels as a general purpose language for testing

Further Reading

- Geb - Very Groovy Browser Automation (by Luke Daley)
https://www.youtube.com/watch?v=T2qXCBT_QBs
- Taming Functional Web Testing with Geb + Spock (by Peter Niederwieser)
<http://www.infoq.com/presentations/testing-spock-geb>
- Improve Your Java with Groovy (by Ken Kousen)
<http://www.infoq.com/presentations/Improve-Your-Java-with-Groovy>
- Presentation code examples: <https://github.com/cathalking/gebdemo>
- Geb documentation: <http://www.gebish.org/>
- Spock documentation: <http://spock-framework.readthedocs.org/en/latest/>