Changing Software

OKJSP 허광남

Agenda

- ❑ Intro
- ❑ Soft(ware) is the matter
- ❑ Side effect is due to relation
- ❑ About Test
- ❑ Change Code
- ❑ What about Legacy Code, not Legendary.
- ❑ Conclusion

Intro

- ❑ Story based on

CONTINUOUS REGRESSION TESTING FOR JAVA EE APPS:
CHANGE CODE WITHOUT FEAR — Matt Love — TS7669

The Many Moons of Eclipse — Mike Milinkovich, Wayne Beaton — TS5040

Advanced Enterprise Debugging Techniques — Neal Ford — TS6072

Soft(ware) is the matter

not Hard

think as easy work

Request is the matter

Each has its own test

Specification should tell us TestCase
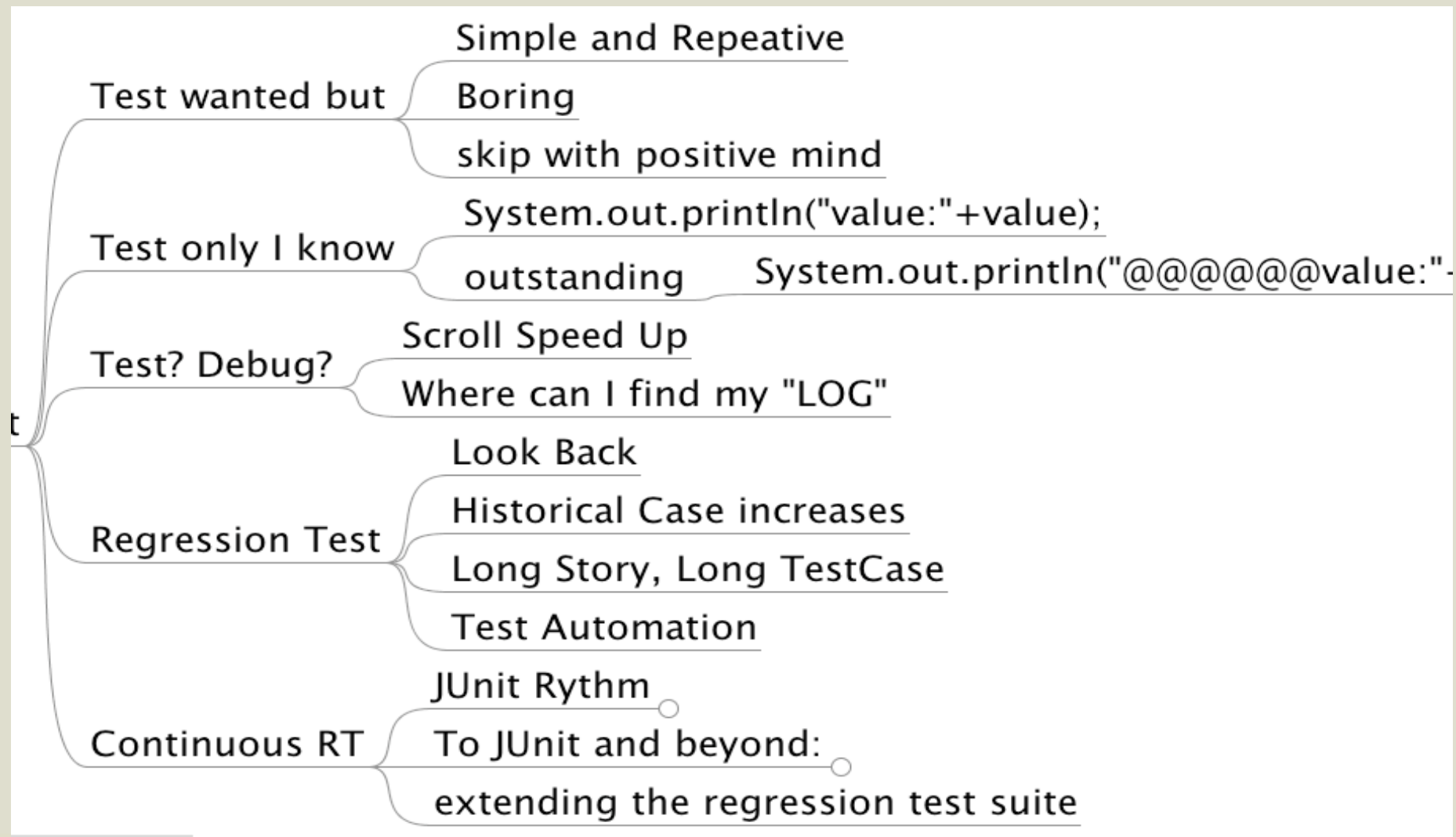
Side effect is due to relation
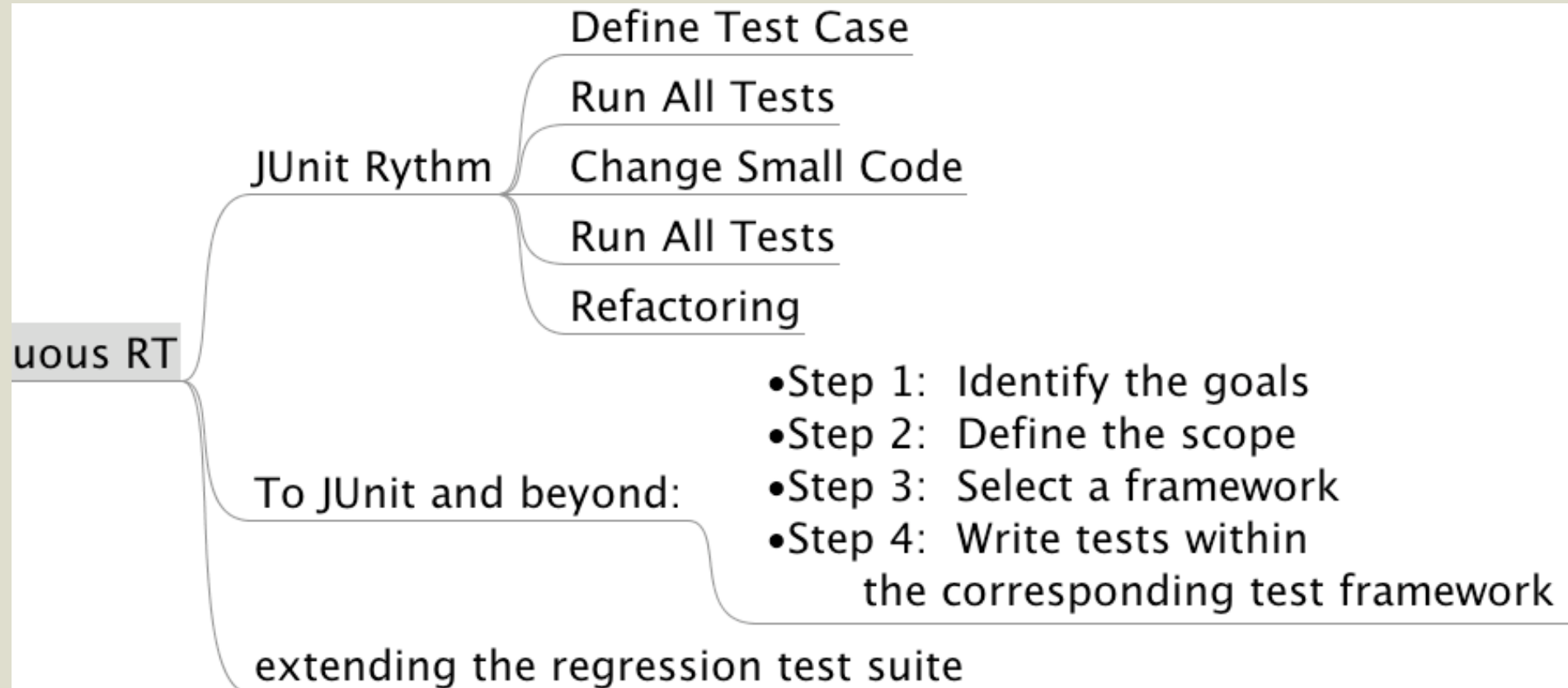
checking reference point

Harness needed

Test Asset

About Test

Test wanted but
- Simple and Repeative
- Boring
- skip with positive mind

Test only I know
- System.out.println("value:"+value);
- outstanding — System.out.println("@@@@@@value:"-

Test? Debug?
- Scroll Speed Up
- Where can I find my "LOG"

Regression Test
- Look Back
- Historical Case increases
- Long Story, Long TestCase
- Test Automation

Continuous RT
- JUnit Rythm
- To JUnit and beyond:
- extending the regression test suite

About Test

uous RT

JUnit Rythm
- Define Test Case
- Run All Tests
- Change Small Code
- Run All Tests
- Refactoring

To JUnit and beyond:
- Step 1: Identify the goals
- Step 2: Define the scope
- Step 3: Select a framework
- Step 4: Write tests within
  the corresponding test framework

extending the regression test suite

Change Code

With Fear   Edit and Pray
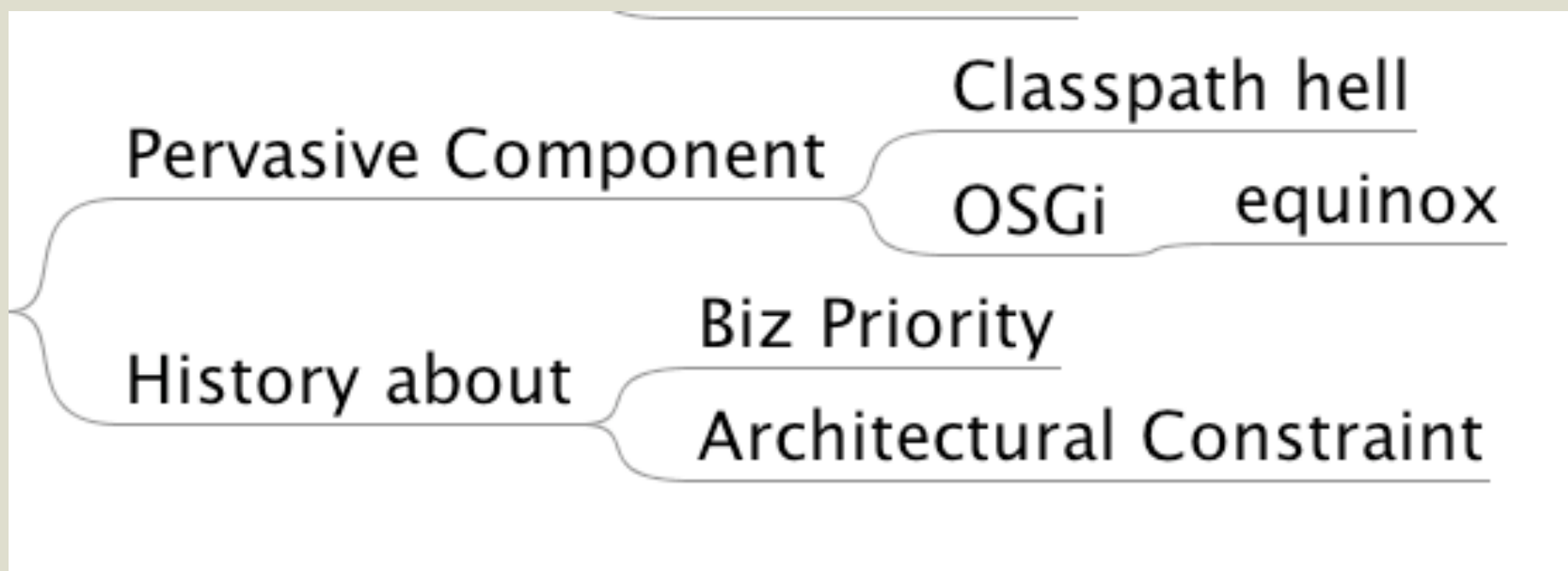
WithOut Fear   Cover and Modify

Safety Net   Change is like acrobatic.

Rock Climbing   Stable 3 Points

Move 1 Step

How about Legacy Code, not Legendary

Pervasive Component
- Classpath hell
- OSGi   equinox

History about
- Biz Priority
- Architectural Constraint

Conclusion

Need Safety Harness

Software Change inevitable

Biz is Moving

Logging Policy

Q & A

Talk More in
http://www.okjsp.pe.kr
http://okjsp.tistory.com