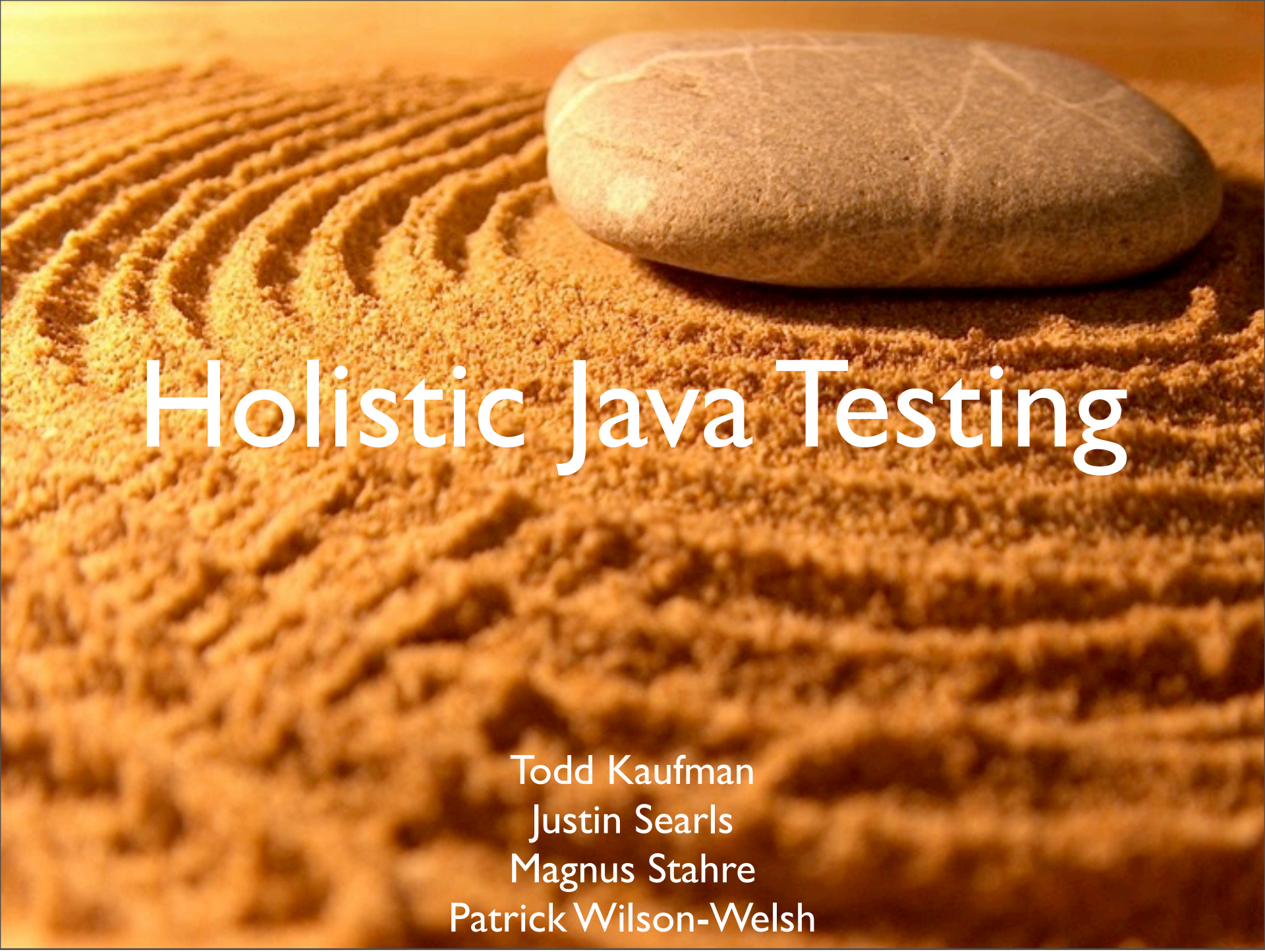

Holistic Java Testing
Todd Kaufman
Justin Searls
Magnus Stahre
Patrick Wilson-Welsh

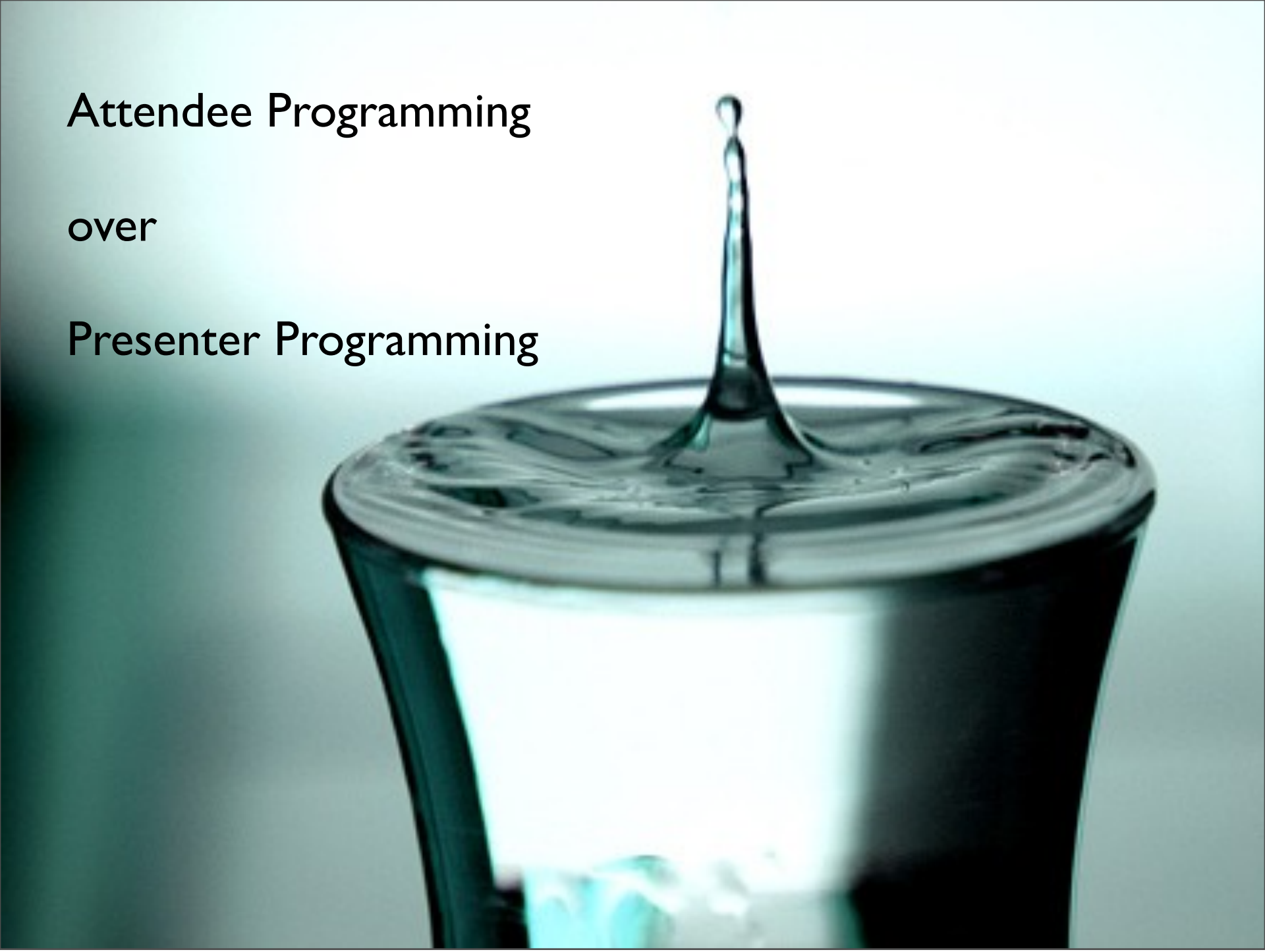
Our Values are as follows...

Code Examples
over
Slides

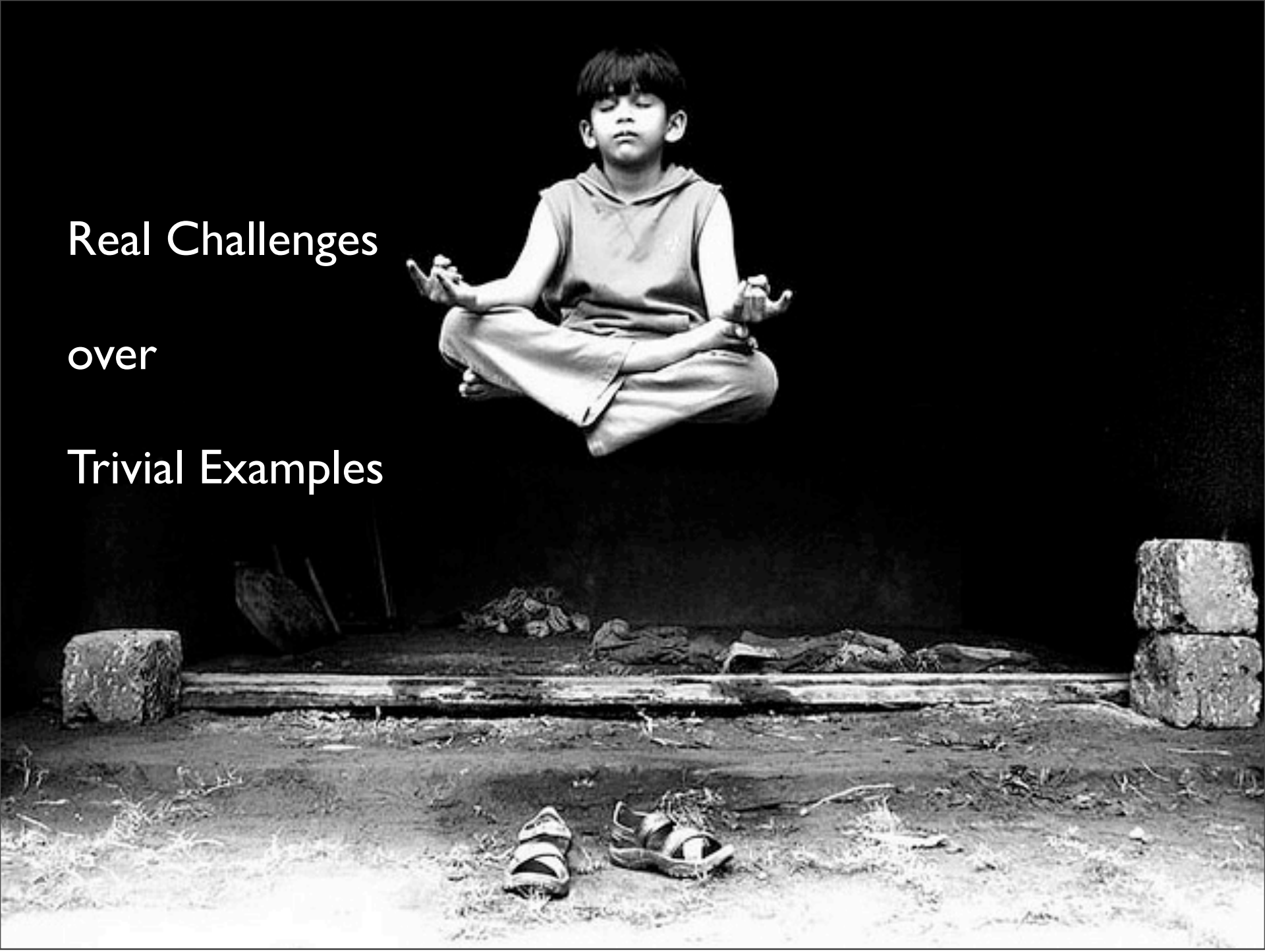
Attendee Programming

over

Presenter Programming



Interaction
over
Silence


Real Challenges
over
Trivial Examples

Format

Talk

Present Code

Attendees Code

Repeat every 45 min

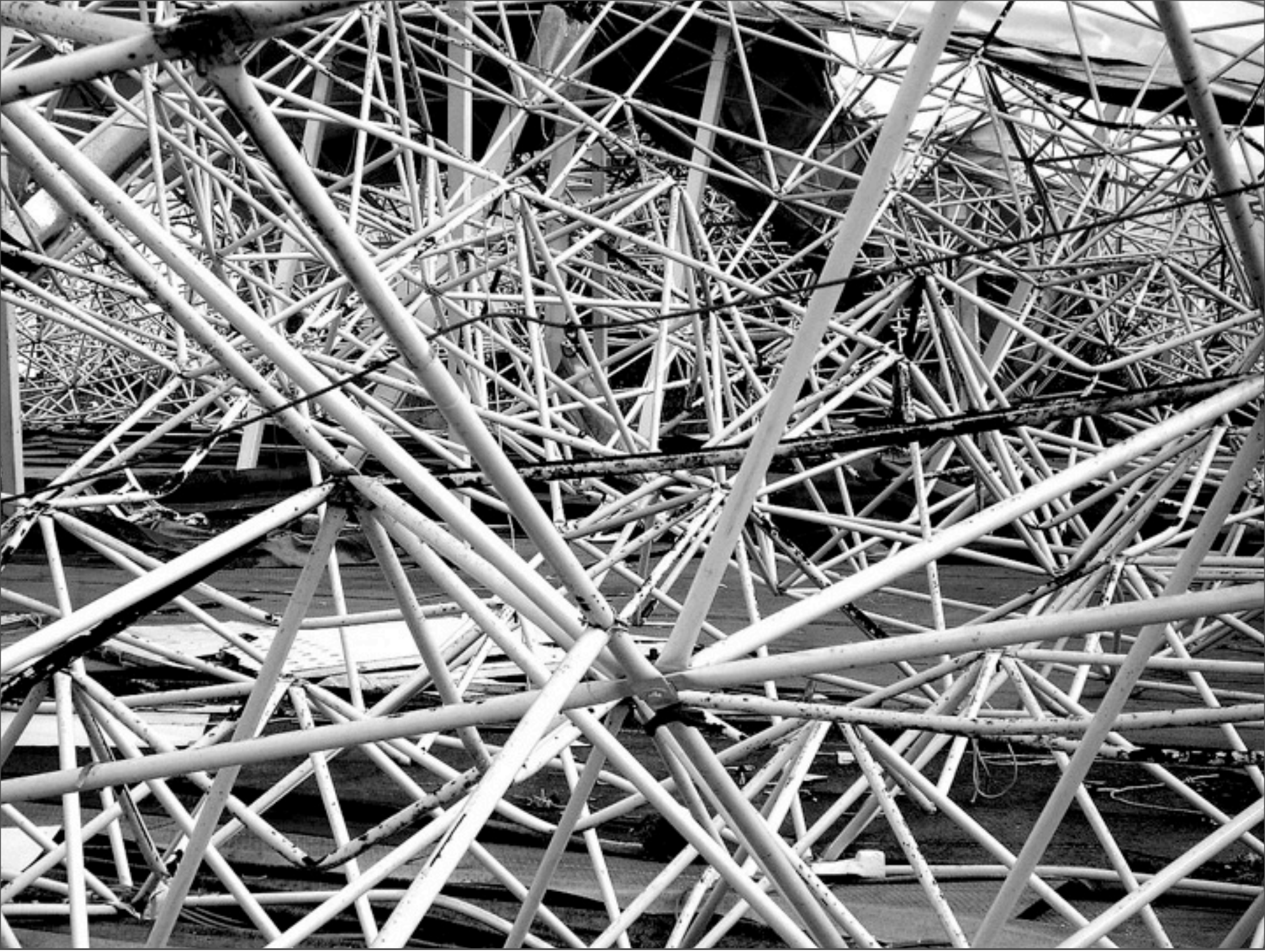
Breaks as needed

You Will Need The Following

1. Maven
2. Java
3. Editor of Choice
4. http://github.com/tkaufman/Holistic-Java-Testing
5. mvn clean install

Where is the Java Community?

We need to be here



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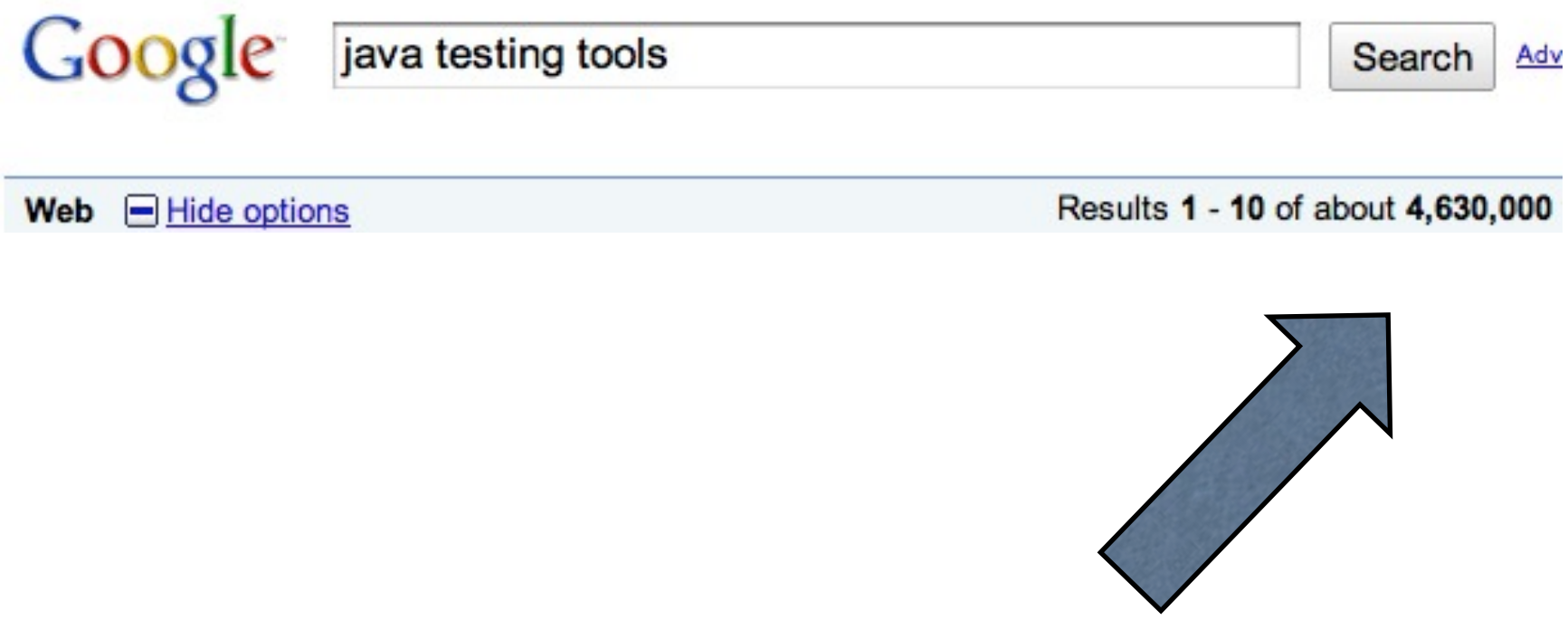

Google
java testing tools
Search
Adv
Web
Hide options
Results 1 - 10 of about 4,630,000

Many Tools Suck

XML dataset document sample:

```
<!DOCTYPE dataset SYSTEM "dataset.dtd">
<dataset>
    <table name="TEST_TABLE">
        <column>COL0</column>
        <column>COL1</column>
        <column>COL2</column>
        <row>
            <value>row 0 col 0</value>
            <value>row 0 col 1</value>
            <value>row 0 col 2</value>
        </row>
        <row>
            <null/>
            <value>row 1 col 1</value>
            <null/>
        </row>
    </table>
    <table name="SECOND_TABLE">
        <column>COLUMN0</column>
        <column>COLUMN1</column>
        <row>
            <value>row 0 col 0</value>
            <value>row 0 col 1</value>
        </row>
    </table>
    <table name='EMPTY_TABLE'>
        <column>COLUMN0</column>
        <column>COLUMN1</column>
    </table>
</dataset>
```

This Scares off Well Intended Developers

Resulting In

This Must Change

and it starts with Practice

Mandates for Tests

Fast

Readable

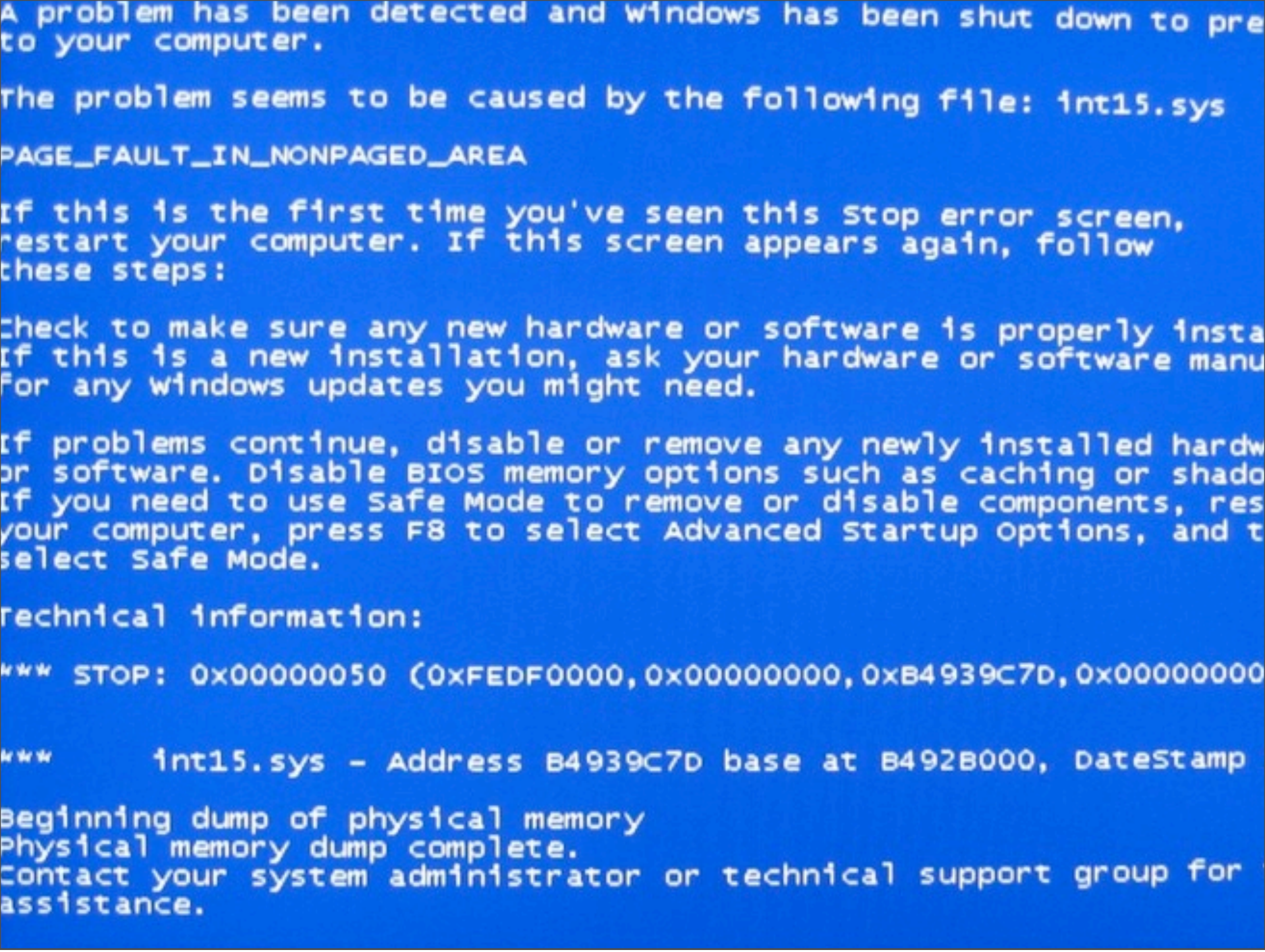
Easy

Stable

Comprehensive

The Test Fu Agenda

1. Readable Assertions with Hamcrest
2. Integration Testing against the Database
3. Mocking/Fake/Stub/Test Spy with Mockito
4. Behavior Driven Development with JBehave
5. Test Driving JSPs with Magnus
6. Web Story Testing with JBehave Web
7. Test Driven Javascript



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Conclusions

pillar

Thanks for the Pics

- Rock and Sand - CyboRoZ on flickr
- Smoke - Vanessa Pike-Russell on flickr
- Smoke and Sphere - h.koppdelaney on flickr
- Waterdrop - darkpatator on flickr
- Zen with Woman - zenonline on flickr
- Floating Kid - Benilshaque Luthor
- Slob - TheRapscallion on flickr
- Sunset Yoga - Andrew Kalat on flickr
- Complexity - nerovivo on flickr
- Hurdles - CFRunning on flickr
- Lazy - Christolakis on flickr
- Kung Fu - ajft on flickr
- BSOD - billjacobus1 on flickr
- Finger - a2gemma on flickr

Thank You