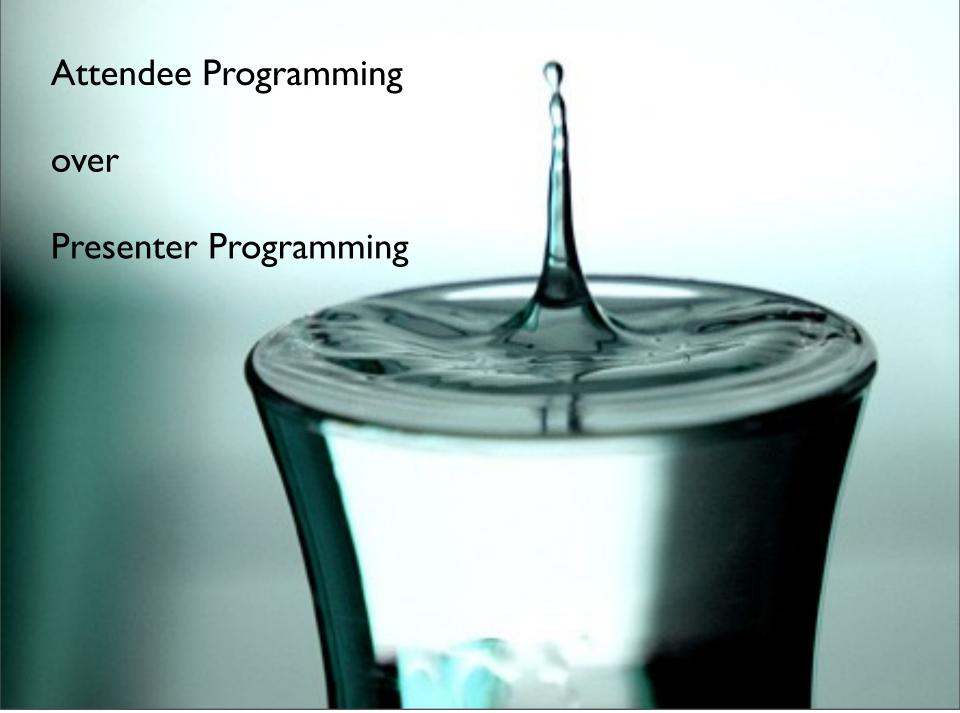


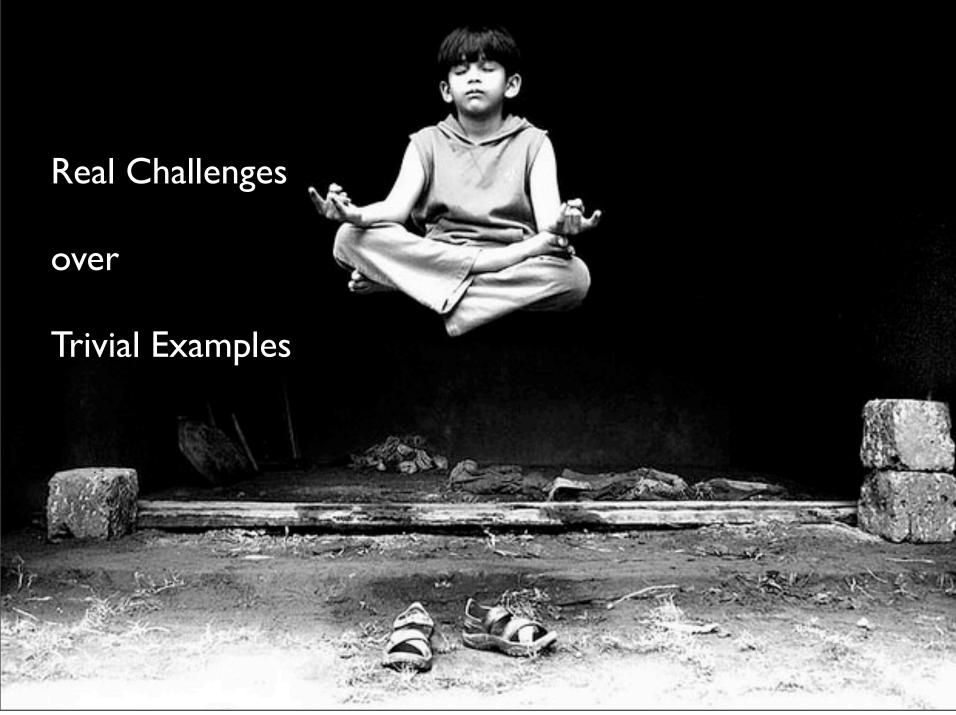




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# **Format**

Talk

Present Code

Attendees Code

Repeat every 45 min

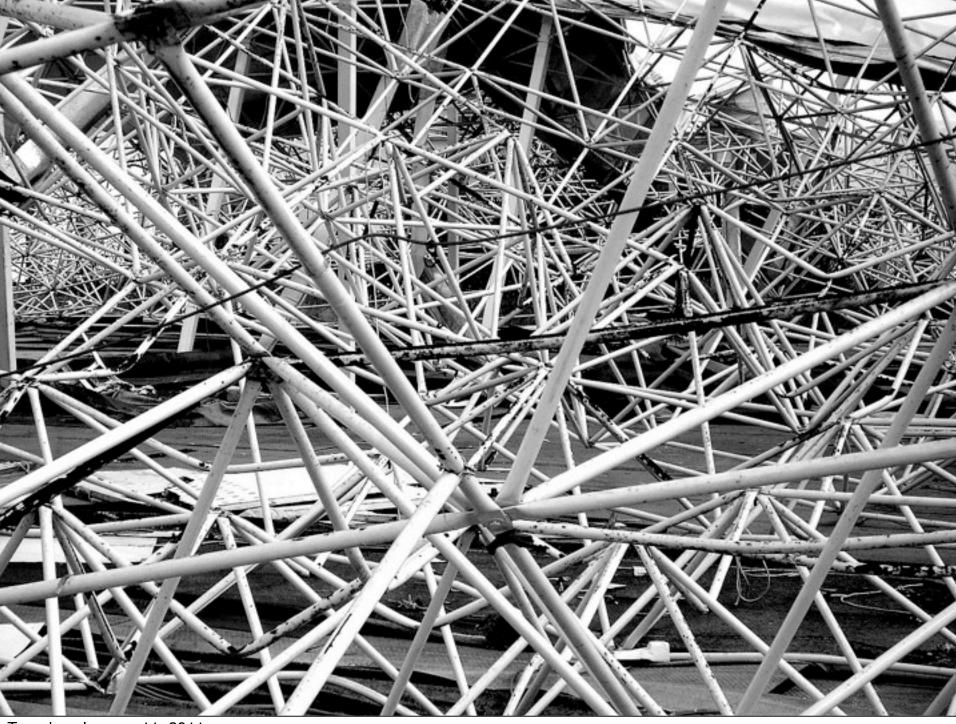
Breaks as needed

# You Will Need The Following

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

# Where is the Java Community?





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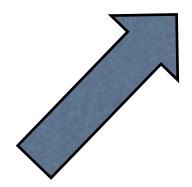


Search

Adv

Web Hide options

Results 1 - 10 of about 4,630,000



### Many Tools Suck

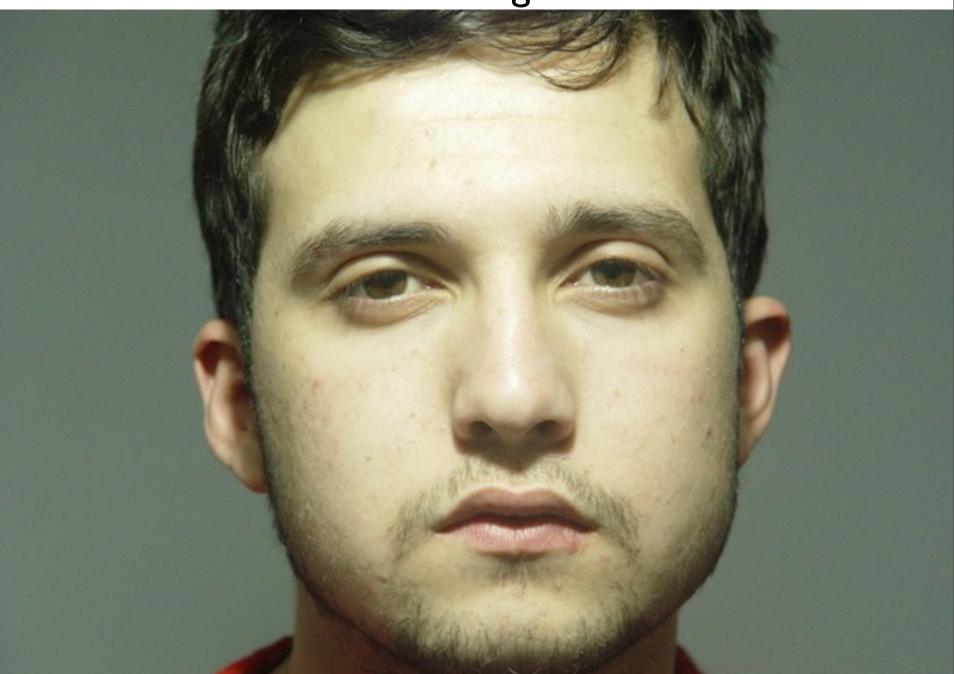
### XML dataset document sample:

```
<!DOCTYPE dataset SYSTEM "dataset.dtd">
<dataset>
   <column>COLO</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>
         <nul1/>
      </row>
   <column>COLUMNO</column>
      <column>COLUMN1</column>
      <row>
         <value>row 0 col 0</value>
         <value>row 0 col 1</value>
      </row>
   <column>COLUMNO</column>
      <column>COLUMN1</column>
   </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

- I. 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
- Web Story Testing with JBehave Web/ Selenium
- 7. Test Driven Javascript

PAGE\_FAULT\_IN\_NONPAGED\_AREA

If this is the first time you've seen this stop error screen, restart your computer. If this screen appears again, follow these steps:

Theck to make sure any new hardware or software is properly instact this is a new installation, ask your hardware or software manufor any Windows updates you might need.

A problem has been detected and Windows has been shut down to pre

The problem seems to be caused by the following file: int15.sys

your computer, press F8 to select Advanced Startup options, and t select Safe Mode. rechnical information: \*\*\* STOP: 0x00000050 (0xFEDF0000,0x00000000,0xB4939C7D,0x00000000

If problems continue, disable or remove any newly installed hardw

or software. Disable BIOS memory options such as caching or shado If you need to use Safe Mode to remove or disable components, res

int15.sys - Address B4939C7D base at B492B000, DateStamp Beginning dump of physical memory Physical memory dump complete. Contact your system administrator or technical support group for assistance.

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to your computer.

## Exercise I - Hamcrest

- I. Rewrite Assertions in Hamcrest
- 2. Make Red Green

# Exercise 2 - Business Object

I. Create a new business object (Speaker) with a not null first and last name and an email validation. TEST DRIVE IT

# Exercise 3 - Repository

I. Add a repository for the presentations

# Exercise 4 - Custom Finder

- I. Test drive the addition of a custom finder to presentations
  - I. findRecommendedPresentations(int rating)

# Exercise 5 - Controller

I. Test Drive the development of index (list), show, and create of a Speaker at the Controller level

# Exercise 6 - JSPs

 Test Drive the following scenario: If no ratings for a presentation prompt to create one

# Exercise 7

Web Story Tests

# Exercise 8

JavaScript Tests

# Exercise 9

Outside In Testing

# Conclusions



@toddkaufman@searls@patrickwelsh@magnusstahre

## 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 billjacobus I on flickr
- Finger a2gemma on flickr

