

# Holistic Java Testing

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# Values

- We favor code examples over slides
- We favor attendee programming over instructor programming
- We favor lively interaction over dull silence
- We favor real world challenges over trivial examples

## Format

- Talk
- Present Code
- Attendees Code
- Repeat every 30 - 45 min

## You Need These

- Maven
- Java
- Editor of Choice
- <http://github.com/tkaufman/Holistic-Java-Testing>
- mvn clean install

# Why Are You Here?

# We Make Testing Hard



# No Shortage of Tools



java testing tools

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Results 1 - 10 of about 4,630,000

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# Many of them 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



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Monday, December 6, 2010

# Mandates for Tests

- Fast
- Readable
- Easy
- Stable
- Comprehensive

# Show Me Some CODE





## Conclusion

- Do anything you can to write more tests
- Test first is a design change
- Right tool for the right job
- Focus on the two users of your code

## Resources

- Hamcrest
  - <http://code.google.com/p/hamcrest/>
- Mockito
  - <http://mockito.org/>
- JBehave
  - <http://jbehave.org/>
- Selenium
- Jasmine
- Others?

# Thank You

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