

# In-Class Activity 1: Test Measurement

# Overview

- Focus on thoroughness of testing
- When have we done enough testing?
- Solution: Measure the amount of code executed
  1. Insert probes into software
  2. Run test cases
  3. Check probes and report coverage

# Steps for IAC 1

1. Build web application
2. Selectively instrument with Cobertura
3. Deploy web application
4. Run test cases
5. Generate coverage reports

# Goals for IAC 1

1. Use Ant scripts to build and deploy
2. No restarting Tomcat
3. Generate coverage using wget
4. Be able to selectively instrument app
5. Generate HTML based reports
6. Completely automate approach using Bash or Python scripts

Know how to do these things!

# Monday's Class Structure

1. Overview of the in-class activity
2. Quick paper based quiz on L1-L3
3. Begin work on activity
4. Complete check off by end of class