Checking Java Programs **Bibliography - Web Resources**

- [Software Testing](#) is a web site focussing on software testing (covering a variety of programming languages).

- [Another list of software analysis tools](#) focussing on static analysis; covers the main ones plus a number that are relatively obscure, many of them non-open-source. Site does not have an updated date.

- [Enumeration of all kinds of tests](#), in the Evil Unit Testing article.

- "Daily Build and Smoke Test", Steve McConnell, IEEE Software, Vol. 13, No. 4, July 1996, available online at [Daily Smoke Test](#) Several years after Booch's classic textbook introduced the term, this paper presents an early (though thoroughly Microsoft-centric) discussion of what we now call "Continuous Integration".

Introduction

- http://cjp.darwinsys.com/ Author's home page for Checking Java Programs

- [The author's ancient book on `lint`](#).

- [PageUnit](#), author's simple tool for checking web pages

- My [Annabot annotations checker](#) for Java annotation-based APIs

- [Author's Java pages](#) where you will find lots of resources

- I teach for [Learning Tree](#) and have written [a course on standard Java EE technologies](#)

- IDEs: [Eclipse](#), [NetBeans](#), [IntelliJ](#)

- Build Tools: [Apache Maven](#), [Ant](#), [Gradle](#)

- [Code examples at GitHub](#)

- [ClubList](#), a simple list-detail app

- [CrashBurnFree](#), simple application crash reporter

Dynamic Testing

- [My list of tools](#)

Unit Testing

- [StringBuilder](#), our test target (replacement for StringBuffer).

- [hamcrest.org/JavaHamcrest](#).

- Mock Objects on *the* original Wiki (years before WikiPedia).

- Arquillian: Kicking the Bugs out!

- Arquillian on Maven Central

- Arquillian ShrinkWrap

- "JUnit Lambda" aka JUnit 5 candidate

- JUnit Lambda Samples

- JUnit Lambda source code

- Testing RxJava

BDD

- Cucumber Home Page

- Cucumber for a dozen programming languages,

- Cucumber's Gherkin Language

Logging

- Logging Examples

- Javadoc for JUL

- EqualsVerifier

Testing with Spock

- Spock's home world

- a web site that allows you to run Spock tests online for free.

- industrial-strength PostgreSQL database

- Groovy SQL

- Spock BDD, includes useful historical background.

Test Coverage

- My blog on Accessors (good or evil): http://theories.darwinsys.com/View.web?blogId=2016/01/24/1411000000000

- Lombok dynamically generates accessors (as well as toString, hashCode/equals, etc)

- http://cjp.darwinsys.com/

- https://en.wikipedia.org/wiki/Java_Code_Coverage_Tools.

- http://www.mojohaus.org/cobertura-maven-plugin/

Web Testing

- Selenium HQ
- https://github.com/SeleniumHQ/selenium/wiki/ChromeDriver
- the sample search page
- WebDriver at SeleniumHQ
- DeltaSpike Data
- Arquillian with Graphene WebDriver
- W3C validator service when you put in a real URL
- Validate Google!
- w3c.github.io/developers/tools/
- JTidy
- KwikLinkChecker
- W3C Link Checker of this page
- Canoo Web Test
- PageUnit

Continuous Integration

- http://www.martinfowler.com/articles/continuousIntegration.html
- eXtreme Feedback Devices
- siren of shame.
- Cruise Control, one of the earlier CI projects
- Jenkins The leading CI
- Hudson The other fork of the leading CI

Static Code Analysis

- My list of tools

PMD

- Home page Old home page
- Maven plugin
- List of other plugins
- Javadoc on SuppressWarnings

- PMD's "supressing messages" page

- Rules Summary

- Book PMD Applied

FindBugs

- Eclipse Update Site

- Bug categories detected.

- Source Code: see https://github.com/findbugsproject/findbugs (**not** github.com/findbugs/findbugs)

- Filter File Format

- the FindBugs home page. The online manual is reasonably comprehensive.

- JCIP: Java Concuurency In Practice book, 2006

Conclusion

- CJP Home at DarwinSys: list of tools, bibliography, etc.