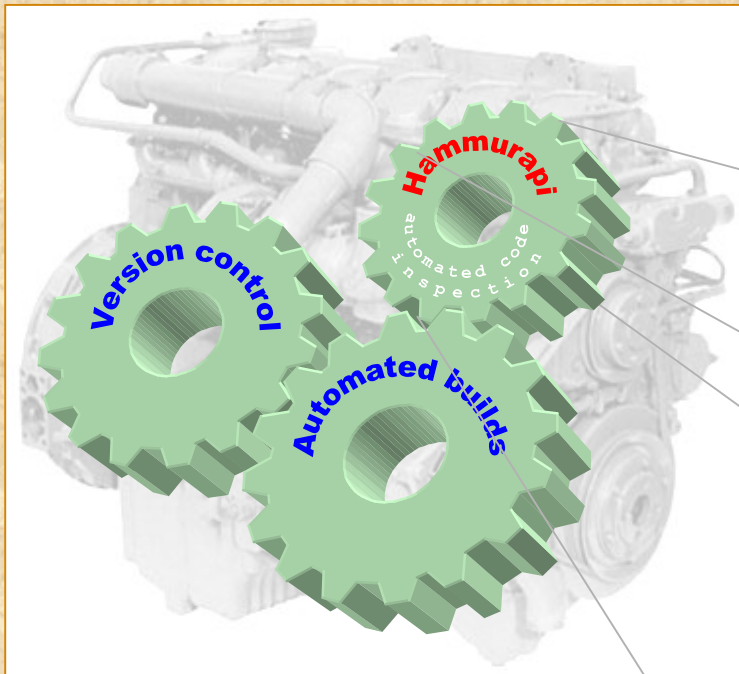


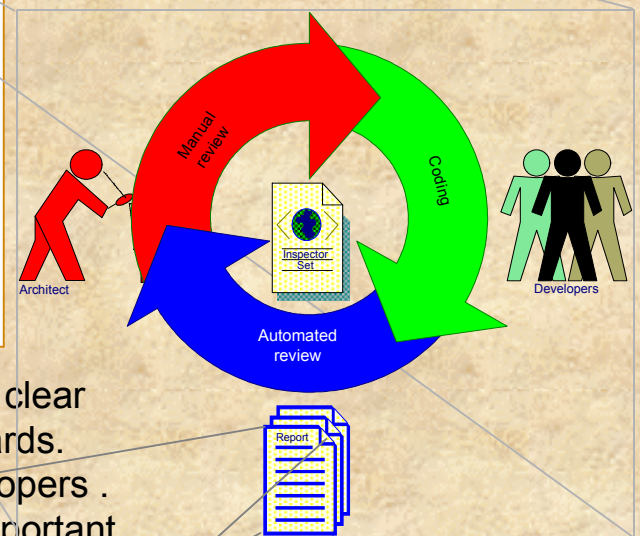
Hammurapi

Open source code inspection tool

<http://www.hammurapi.org>



- 110 embedded inspectors
- Hierarchical inspector sets
- Unique waivers mechanism
- Annotations framework to link custom code inspection reports
- Works on Java metamodel*, not on parse tree



- Mitigates outsourcing risks by establishing clear automatically enforced development standards.
- Knowledge transfer from architect to developers.
- Allows architect to concentrate on more important things.

Hammurapi 2.0.RC-8
Summary
Inspectors
JavaDoc
Annotations
• NCSS
Files
MissingPackageDeclarationRuleViolationTest
com.hammurapi.inspectors.testcases.violations.RootPackageDeclarationRuleViolationTest
org.hammurapi.inspectors.testcases.HammurapiTestCasesException.java
org.hammurapi.inspectors.testcases.fixes.AbstractMethodFromConstructorRuleFixTest
AccessToStaticMembersRuleFixTest
AlphabeticalImportRuleFixTest
ArrayDeclarationRuleFixTest

Test cases

Results

Date	Tue May 04 18:04:05 CDT 2004
Packages	6
Files	253
Codebase	58227
Reviews	132817
Violations	1120
Waived violations	0
PAI	99.60%

Severity summary

Severity 1, total 110

Inspector	Description	Number
ER-002	Empty catch block	1
ER-006	Missing default case for switch statement	2
ER-007	Use upper case 'T' rather than lower case 't' to qualify long literals	2
ER-024	Directory structure should match package structure	1
ER-027	Avoid using 'new' keyword when creating String objects to hold string literals	1
ER-035	Switch statement case without 'break'	2
ER-046	Method declares too general exception types (Exception, Throwable) in throws clause	2
ER-047	Operation (method or constructor) declares subclasses of RuntimeException in throws clause	1
ER-053	ResultSetMetaData is banned. The disclosure of DB internals (here Column Names) on Business/Service layer is bad design	2

Inspector ER-046 summary

Severity: 1

Description: Method declares too general exception types (Exception, Throwable) in throws clause

Configuration:

Not allowed exceptions:
exception: java.lang.RuntimeException exception: java.lang.Exception exception: java.lang.Throwable

Violations

#	File	Line	Column
1	org.hammurapi.inspectors.testcases.violations.OperationWithTooGeneralExceptionTypeInThrowsViolationTest.java	45	24
2	org.hammurapi.inspectors.testcases.violations.ThrowTooGeneralExceptionTypeRuleViolationTest.java	48	24

Hammurapi 2.0.RC-8 Copyright © 2004 Pavel Vlasov. All Rights Reserved.

```
34 public class OperationWithTooGeneralExceptionTypeInThrowsViolationTest {
35
36     private static org.apache.log4j.Logger logger =
37         org.apache.log4j.Logger.getRootLogger();
38
39     private static final String FILE_ERROR_TXT = "File error:";
40
41     /** Java doc automatically generated by Hammurapi */
42     public int getFirstByte(final String fName)
43     {
44         // --- VIOLATION ---
45         throws Exception {
46
47             InputStream is = new FileInputStream(fName);
48             return is.read();
49         }
50     }
51 }
```

Three clicks from summary to source

*Jsel <http://www.pavelvlasov.com/pv/content/menu.show@id=products.jsel.html>