

Roles

The following roles can be impersonated during a source code review.

Role	Interests
Moderator	Leads the review.
Scribe	Writes the protocol of the review.
Author	Introduces the solution, but is mostly a passive person in the review process.
Application user	The application user is the person that is using the application. He is interested in completeness and correctness of application functionality. Also he is interested in ease of use.
Maintainer	The maintainer has a strong interest in the maintainability of the code. This covers comments, names for classes, properties, methods and variables and other elements that make the code more comprehensive.
Architect	The architect keeps an overview over the class structure of the source code. He identifies class level complexity and design failures.
Web developer	The web developer looks at the usage of the used web-framework. He is interested in the proper use of the web-framework.
Tester	The tester is interested in a testable design.

Items to check for

The following list gives a guideline for items to check for in a code review.

Code	Scope	Issue	Explanation
G01	General	Don't repeat yourself (DRY)	The same or similar source code was spotted somewhere else
G02	General	Java coding convention	The code does not follow the coding conventions for the Java Programming language [1]
G03	General	Missing functionality	A certain functionality is not represented in the code
M01	Method	Name	The name of the method is not meaningful
M02	Method	Javadoc	Missing or incomplete Javadoc entries
M03	Method	Logical error	The method is not working as expected
M04	Method	Complexity	The method is too complex
M05	Method	Cohesion	The method contains multiple functionality
M06	Method	Orphan	The method is not used
M07	Method	Misplaced	The method could be situated in another class
C01	Class	Name	The name of the class is not meaningful
C02	Class	Single Responsibility Principle (SRP)	A class has multiple purposes
C03	Class	Orphan	The class is not used
P01	Property	Name	The name of a property is not meaningful
P02	Property	Orphan	The property is not used
D01	Design	Coupling	At least two classes are coupled too much
D02	Design	Complexity	The design is too complex
D03	Design	Pattern misuse	A pattern was used in a wrong way or is not wise to use
W01	Web	Wrong scope	A wrong bean scope was used
W02	Web	Scope variable	Misuse or orphan of scope variable

References

1. Oracle; [Code conventions for the Java programming language](#); January 2011