

Thursday 10/23/14

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"static testing" aka review, inspection

black box - review specification
requirements & design

white box - review code
including testing code

why? find problems earlier
And problems dynamic testing
cannot - e.g. unreadable code

Four essential elements

- identify problems in document,
not author
find missing items as well
as "wrong" items
- follow rules
roles - moderator, recorder
set length of time or
amount of document
(pages, loc)
- prepare
do a personal or pair mmi-review ^Madvance

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- write report

Summarize results - how many problems found, where, what kind
in addition to bug reports or
change requests

literally, walk through the document
read line by line

reader should explain what the
component does & why

formal inspection - more than walkthrough
~~use~~ reader is not original author

inspectors represent different roles

end-user

tester

technical support

11 Fagan's
inspection

moderator & recorder from separate
QA group

2 hours std length

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each problem classified

minor - author fixes on own
moderate - moderator reviews fix
severe - whole team needs to
inspect again

review for requirements or design

pretend to be customer or
include real customer

make sure uses corporate (domain)
terminology & conventions

industry & govt requirements
may need outside expert

published GUI standards for
specific platforms
security certification

compare to similar software

scale	quality
complexity	reliability
testability	security

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attributes checklist

complete

accurate

precise, unambiguous, clear

consistent

relevant

feasible

code free

testable

look at terminology

always, every, all, none, never

certainly, therefore, clearly,

obviously, evidently

some, sometimes, often, usually,

ordinarily, customarily, most,

mostly

etc., and so forth, and so on, such as

good, fast, cheap, efficient,

small, stable

handled, processed, rejected,

shipped, eliminated

if ... then but missing else

look at checklist from syllabus

- can serve as classification

if time, ~~xxxxxxxxxx~~ refactoring slides