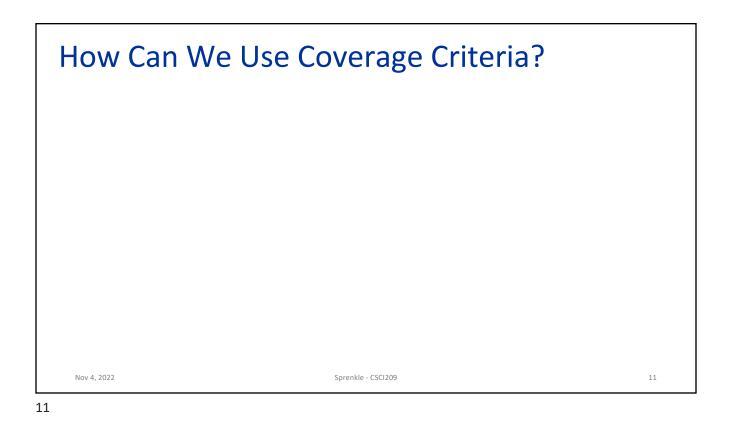
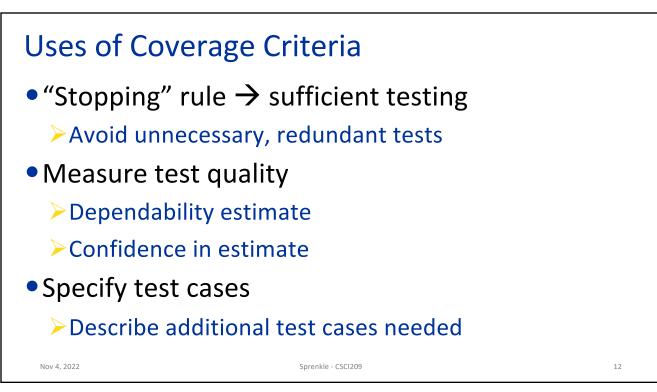


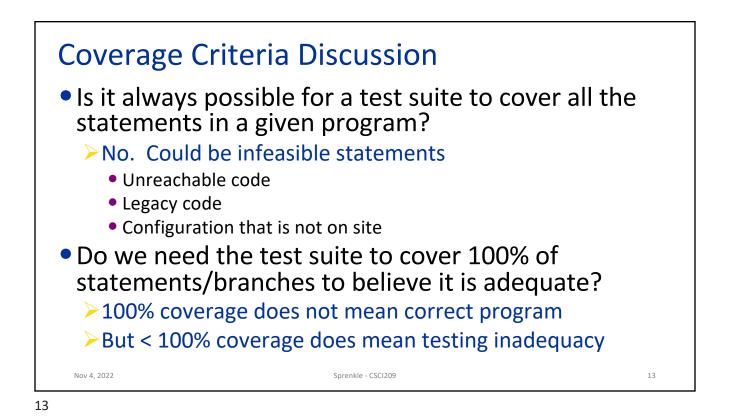
Comparison of Coverage Criteria Coverage **Advantages** Disadvantages Criterion Weak, may miss many Statement Practical faults Practical, Stronger Weaker than Path Branch than Statement Infeasible, too many Path Strongest paths to be practical

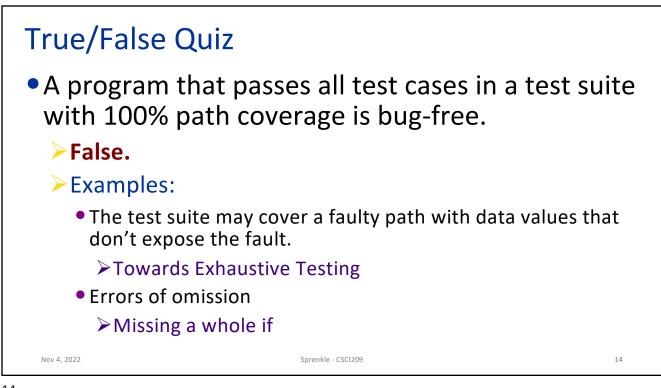
Nov 4, 2022

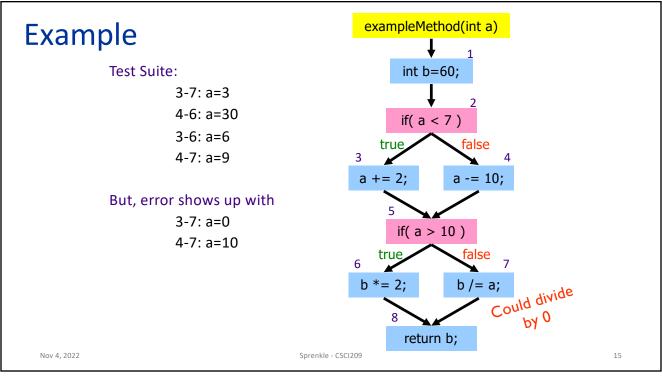
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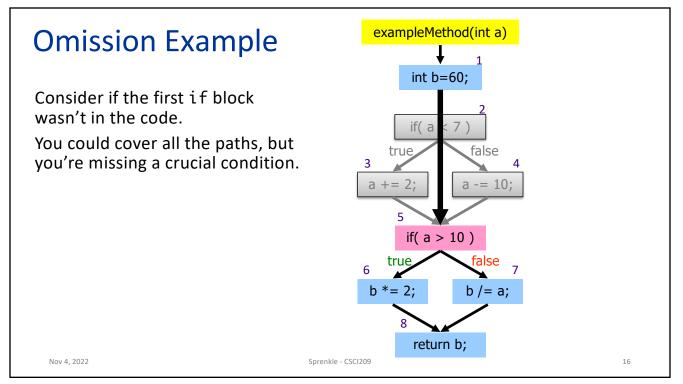


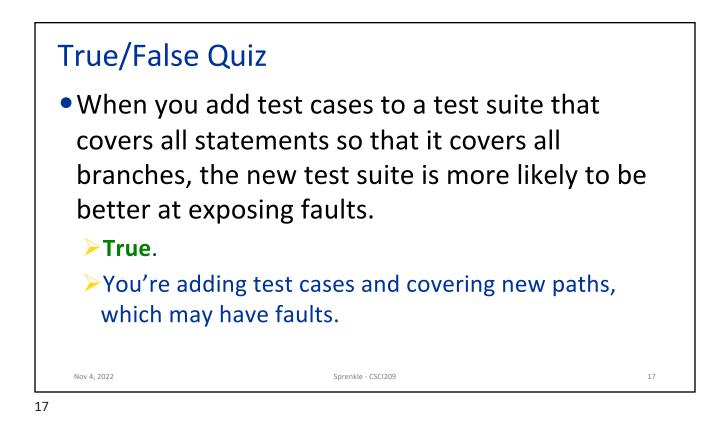


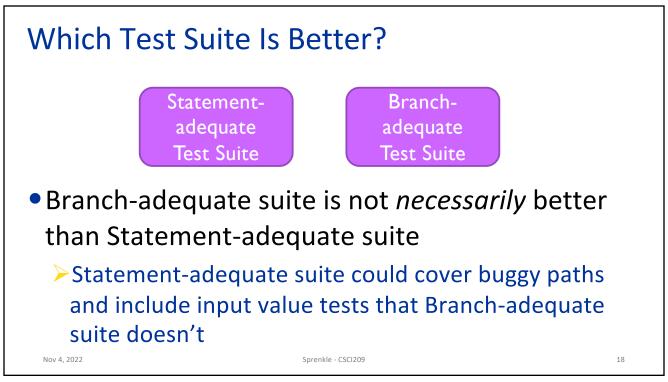


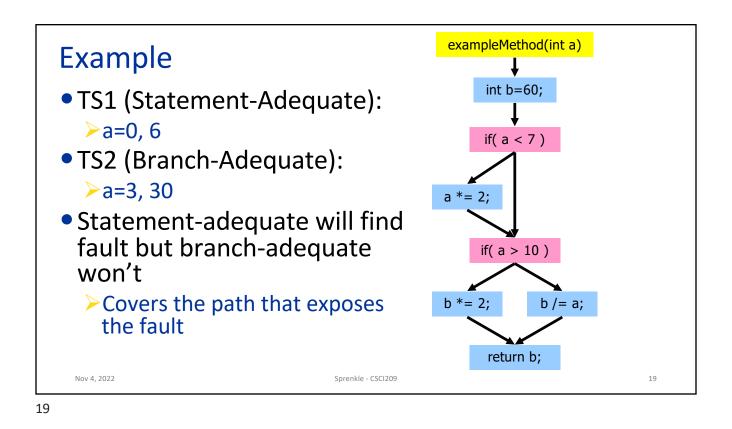


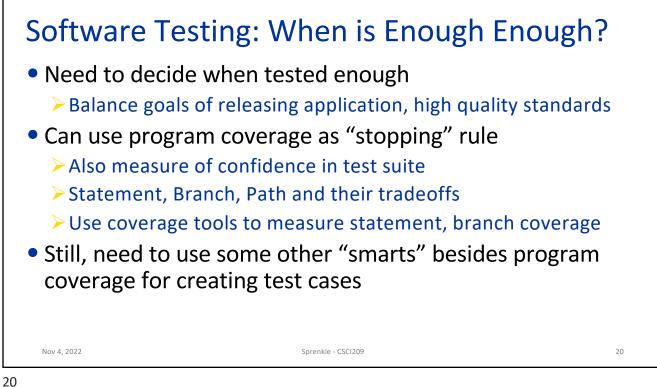




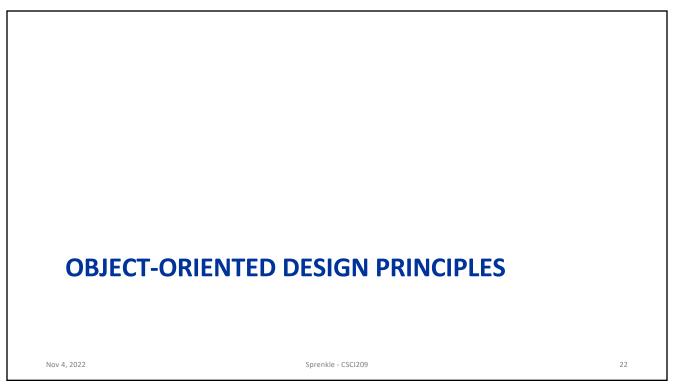


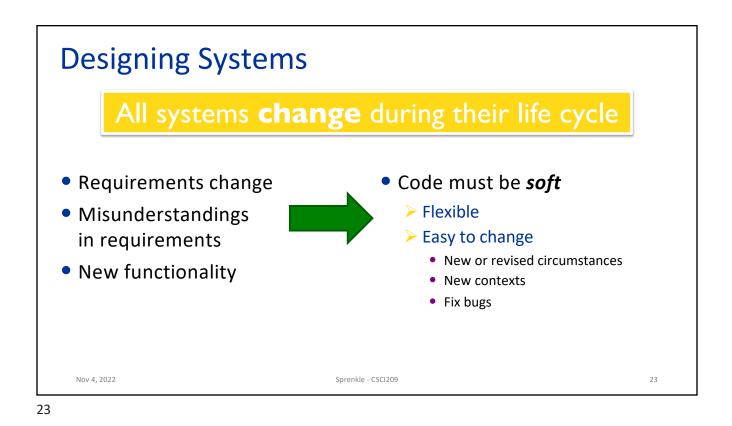






No Silver Bullet	
 Recall the Fred Brooks' quote: "There is no single development, in either technolog management technique, that by itself promises even order-of-magnitude improvement in productivity, in reliability, in simplicity." Known as "no silver bullet" 	one
 Test coverage is one tool that will help us improve the quality of our code, but it will not solve everything 	
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Designing for Change Example
July 2010, Oracle released Java 6 update 21
Generated java.dll replaced

COMPANY_NAME=Sun Microsystems, Inc. with
COMPANY_NAME=Oracle Corporation

Change caused OutOfMemoryError during Eclipse launch

Eclipse versions 3.3-3.6 (widespread!)
Why? Eclipse used the company name in the DLL in startup (runtime parameters) on Windows

Temporary Fix: Oracle changed name back
Required changes to all Eclipse versions

