SED Lecture 21
Test Automation

Objectives

• To understand the context and need for test automation and organization in large scale software development.
• To be able to identify opportunities for test automation.
• To understand how test automation may be implemented

Key Points

1. The need for test automation: Test cases are expensive to produce and run and iterative software development requires that they are repeated many times.
2. Automating unit tests: How JUnit allows low-level test scripts to be written, executed and analysed.

Core reading

Bruegge & Dutuoit, 11.4 System testing 11.5 managing testing

Sommerville (7th ed) 22 Verification and Validation,

Pressman (5th ed) 18 Software Testing Strategies

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