

Reading Questions 2

CMU 17-654/17-754: Analysis of Software Artifacts
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Due: Tuesday, March 29, 2005 (10:30 am)

10 points total

Readings:

- Amitabh Srivastava and Jay Thiagarajan. Effectively Prioritizing Tests in Development Environment.

Note: When answering these weekly reading assignment questions be concise. It is expected that each question set can be answered adequately in a page of text or less. Rambling answers with irrelevant detail will not be received warmly. On the other hand, answers should contain enough detail to understand clearly what you are saying. Good English grammar and syntax is important, as always.

This reading assignment is modeled after those in David Garlan's Architectures course, for those of you who are familiar with that.

Questions:

- Echelon's effectiveness depends in part on the change you make to your program before running it. What is an example of a change scenario where Echelon would not be very helpful in prioritizing test cases?
- If you were using Echelon in practice, and you didn't have time to run all of the tests in your test suite, how would you decide where in the priority list of tests to stop testing? Why? (your decision should be slightly more interesting than "test until time runs out")