

In-class Exercise #1: Test (riteria

Today we discussed criteria-based test design.

In your group, **discuss and document** the following:

What four structures do we use for test criteria? What usually prevents our tests from achieving 100% coverage?

A few software organizations use test criteria and report great success.

However, most organizations do not currently use test criteria.

Based on your knowledge and experience, why do you think test criteria are not used more?

In-class Exercise #2: Subsumption

Suppose that coverage criterion C1 subsumes coverage criterion C2.

Further suppose that **test set T1 satisfies C1 on program P and test set T2 satisfies C2**, also on P..

Does T1 necessarily satisfy C2? Explain.

Does T2 necessarily satisfy C1? Explain.

If P contains a fault, and T2 reveals the fault, T1 does not necessarily also reveal the fault. Explain.