I Testing - Introduction

وية What are the informal and formal views of testing?
وية What are the two basic techniques for testing? What is the difference between them?
وية What are the different testing phases?
وية What is unit testing?
  • What techniques are appropriate?
  • What additional structures do you need?
  • Why do you need them and what do they do?
  • What are the basic testing strategies?
وية What is integration testing?
  • What are the goals
  • What techniques are appropriate?
II Testing - Introduction

- What is system testing?
  - What techniques are appropriate?
  - What issues do you need to address?
  - Who does it?
  - What are the various forms of system testing?

- What is stress testing?
  - What are the goals and reasons for stress testing?
  - What is likely to happen if you don't stress test?

- What is regression testing?
  - Why is it done?
  - When do you do it?
III Adequate Testing

What is the common wisdom associated with OO programming?
- What is the flaw in it?
- What are the languages features that pose difficulties?

What is meant by adequate testing? What are the criteria?

What are the axioms? Why are they important? Of all the axioms which are important for this paper and why?

Encapsulation: used in the OO sense is partly like abstraction.
- What are the problems?
- Which axioms are applicable here?
- Why is it important?
- What are the main issues?
IV Adequate Testing

✓ Overriding of Methods
  ✷ What are the problems?
  ✷ Which axioms are applicable here?
  ✷ Why is it important?
  ✷ What are the main issues?

✓ Multiple Inheritance
  ✷ What are the problems?
  ✷ Which axioms are applicable here?
  ✷ Why is it important?
  ✷ What are the main issues?

✓ What are the main lessons of the paper?
V Testing - Coverage

Focus primarily on sections 1, 2, and 4

What is test coverage?
- Are they quantitative or qualitative measures?
- Why is it important?
- When is it useful?
- Why is it useful?
- What are its strengths? Weaknesses?

What are the various granularities of coverage?
- What are coverage criteria?

General thought questions:
- What are the trade-offs to be made with respect to test coverage?
- Testing in general?