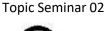
www.cs.ubbclui.ro/~avescan





Seminar Objectives

Generating test cases based on black box testing



Topics

- Equivalence partitioning
- Boundary value analysis

Required readings before seminar 2

- Testing principles [Mye04]
- Testing axioms [Pat05]

Assignment 1 - 10-minutes - Discussion

Topics

- Testing definition-Strategy-Context-Information objectives-Domain testing
- Equivalence partitioning (EP) vs. Boundary value analysis (BVA)
- Create test cases based on EP. Example
- Create test cases based on BVA. Example

Assignment 2 – 60-80 minutes – Black-box testing

- 1. Specify the given problems (input and preconditions, output and postconditions).
- 2. Create test cases based on the specification (using equivalence partitioning and boundary value analysis).
- 3. Implement the test cases using JUnit.

Problems

- 1) Verify if a number is prime.
- 2) Compute the maximal sequence of prime numbers from an array of natural numbers. An array X with n components is given.

Assignment 3 – 5-10 minutes – Quiz (required readings + seminar content)