

# Introduction to Software Testing

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## Part I: Overview

### 1. Introduction

- 1.1 Activities of a Test Engineer
    - 1.1.i Testing Levels Based on Software Activity
    - 1.1.ii Beizer's Testing Levels Based on Test Process Maturity
    - 1.1.iii Automation of Test Activities
  - 1.2 Software Testing Limitations and Terminology
  - 1.3 Coverage Criteria for Testing
    - 1.3.i Infeasibility and Subsumption
    - 1.3.ii Characteristics of a Good Coverage Criterion
  - 1.4 Older Software Testing Terminology
  - 1.5 Bibliographic Notes
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## Part II: Coverage Criteria

### 2. Graph Testing

- 2.1 Overview
- 2.2 Graph Coverage Criteria
  - 2.2.i Structural Coverage Criteria
  - 2.2.ii Data Flow Criteria
  - 2.2.iii Subsumption Relationships among Graph Coverage Criteria
- 2.3 Graph Coverage for Source Code
  - 2.3.i Structural Graph Coverage for Source Code
  - 2.3.ii Data Flow Graph Coverage for Source Code
- 2.4 Graph Coverage for Design Elements