Object Orientated Integration Testing

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Overview

• Introduction
  - Background, Terms, Brief look at topics
• My Example
• UML and Graphical approaches
• MM Paths and Test Generation
Introduction

• Presumes complete Unit testing.
• What is Integration testing?
• What is it's purpose?
• What approaches does it lend itself to.
Introduction cont'd

• Decomposition
  - Big Bang, Sandwich, Top Down, Bottom Up

• Graphical
  - Pairwise and Neighborhood

• MM Paths
Example

• A Calender in Java
• How it works
• Code
UML In Integration Testing

• What is UML

• What types of diagrams can be useful in generating integration test cases

• Pair-wise approach

• Neighborhood approach
Generating Test Cases

- MM-Paths, what are they and how are they used in integration testing
- Generation of manual test cases
- Automatic generation of test cases