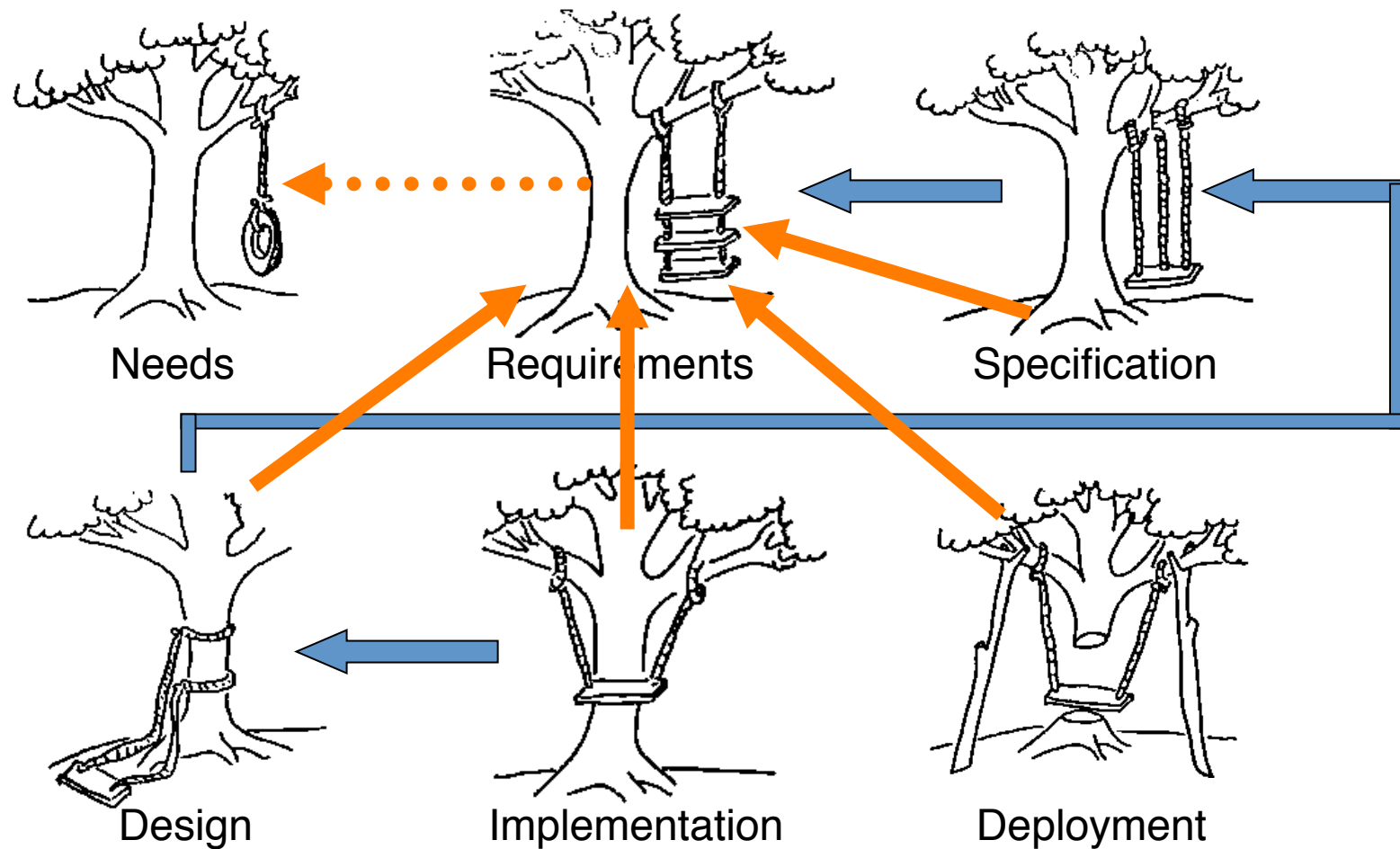


Levels of Testing?

A first look

Validation and Verification



Levels of Testing (1)

- Unit Testing:
 - Individual (procedures of) a class
 - Carried out by developers
 - Goal: Confirm that ‘unit’ is correctly coded and carries out the intended functionality
- Integration (and Subsystem) Testing:
 - Group of units (or subsystems)
 - Carried out by developers
 - Goal: Test the **interfaces** among the units to exercise a responsibility or a path
 - (Story-testing?)

Types of Testing (2)

- System Testing:
 - The entire system
 - Carried out by developers (only?)
 - Goal: Determine if the system meets the FRs and NFRs
 - *scenario-driven testing*
- Acceptance Testing:
 - Evaluates the system delivered by developers
 - Carried out by the client (typically ‘in the field’)
 - Goal: Demonstrate that the system meets customer requirements and is ready to use

Other types: Usability, Performance, Stress...