

Subtle, but Important Difference !

Verification

"Are we building the product ***right***"

Can we verify that a system is correct ?

The software must conform to its specification

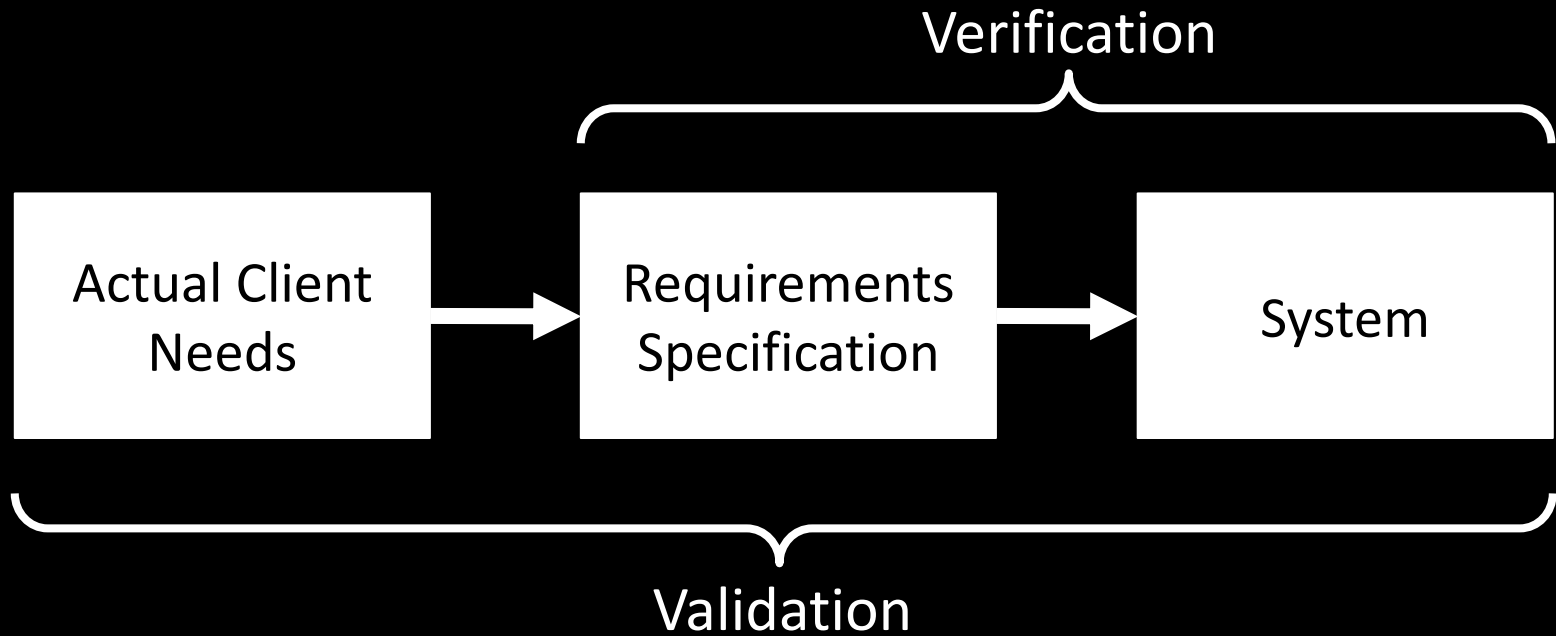
Validation

"Are we building the right ***product***"

Is our system a valid solution ?

The software should do what users really want

Visual Comparison



Approaches to V&V

- Manual audits and reviews
- Mathematical proofs
- Static code analysis
- Heuristic evaluation
- User-centered evaluation
- Run-time testing...

Different Types of Testing

- Development testing: the various bits (“units”) of the system are tested during implementation
- Release testing: testing of the current release of the system as an integrated whole.
- Acceptance testing: client and users of a system assess it within in their own environment.

Testing Phases in Context

