

**Requirements and Specification, ESOF 328, Spring 2022**

**Validating the requirements, Chapter 17**

**Links in the requirements chain, Chapter 29**

**April 6**

**Validating the requirements, Chapter 17**

Recommendation: Starting test planning and test-case development in parallel with requirements development to detect many errors shortly after they're introduced. See the V Model of software development (Page 330)

Validation versus verification

- Validation – are we building the right system (does the product satisfy customer needs)
- Verification – are we building the system right (does the software satisfy the requirements)

Informal reviews:

- Peer desk check
- Pass around
- Walk through

Formal reviews:

- Inspections – a formal process
- Prototyping the requirements
- Testing the requirements

Acceptance criteria

Make acceptance criteria SMART – Specific, Measurable, Attainable, Relevant and Time-sensitive

**Links in the requirements chain, Chapter 29**

Four types of requirements tracing:

- forward to requirements
- backward from requirements
- forward from requirements
- backward to requirements

(Figure 29-1, page 492)