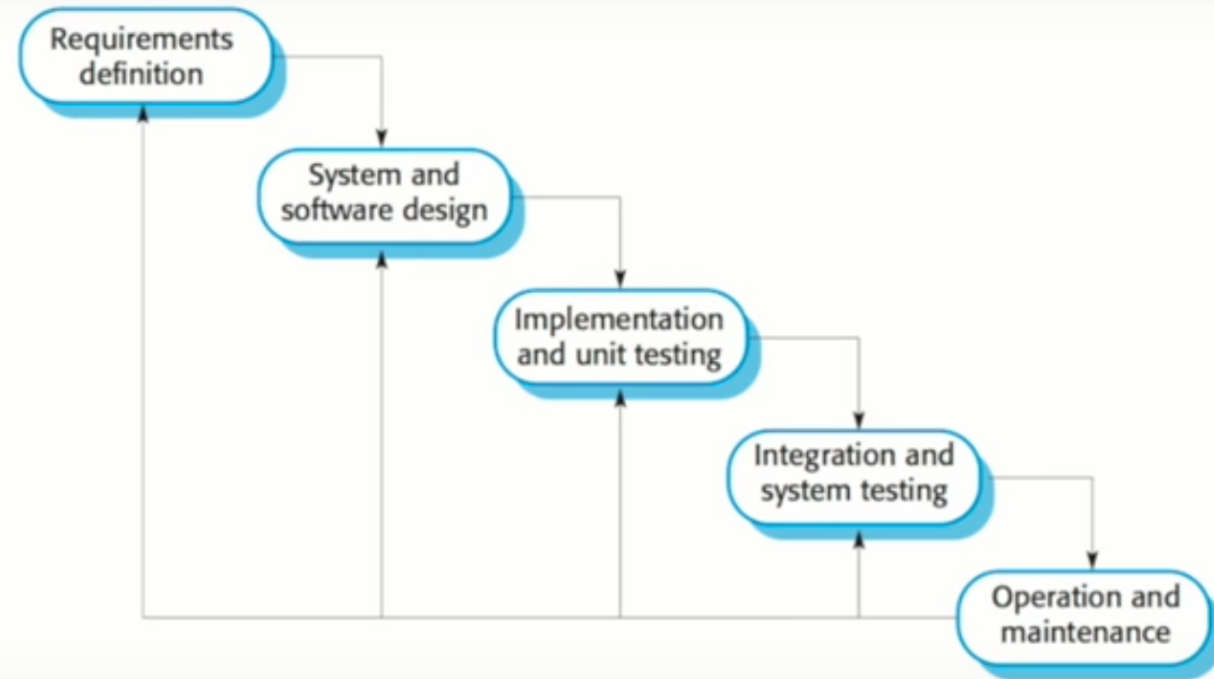# Marp

Markdown Presentation Ecosystem

https://marp.app/

Software Process Model - waterfall

- Software process activities
- Plan driven
- Document driven
- When to use?

Requirements definition → System and software design → Implementation and unit testing → Integration and system testing → Operation and maintenance
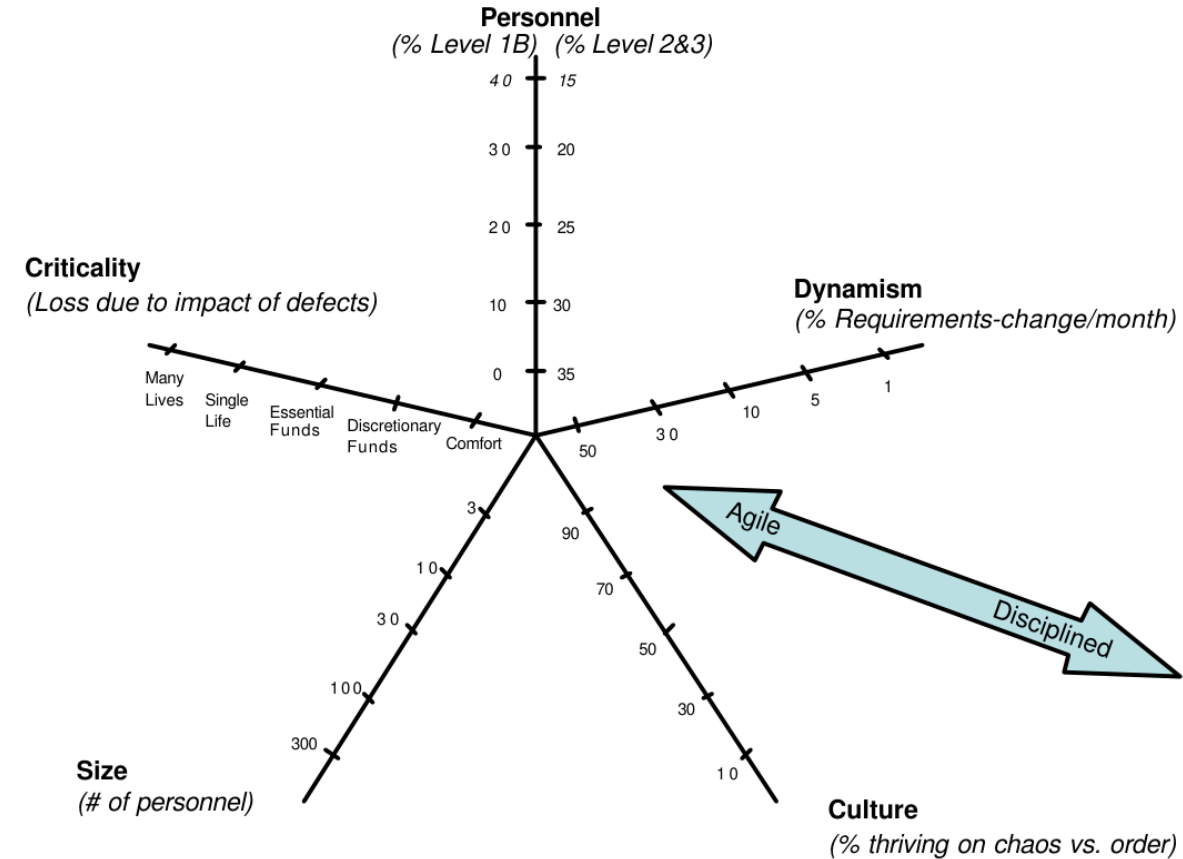
Software Process Model - incremental/iterative

- Software process activities
- Plan driven or agile
- When to use?
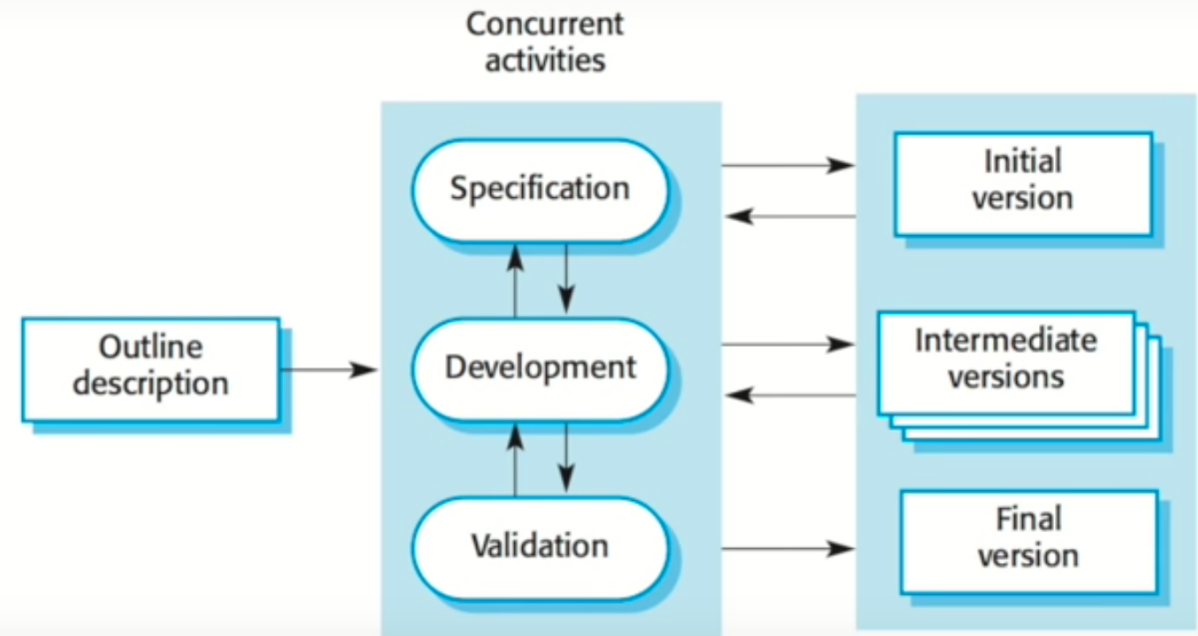
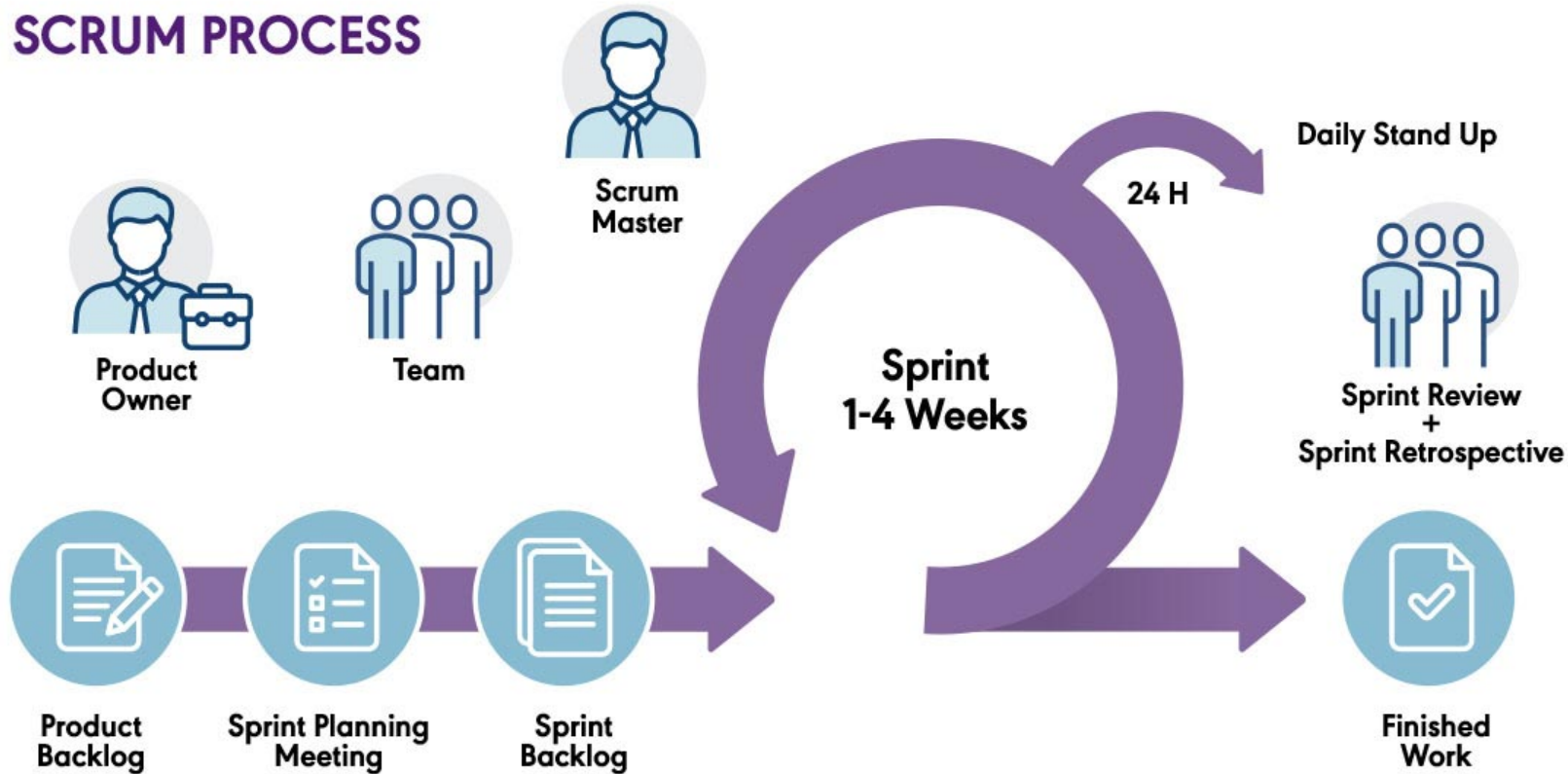# Comparison of plan-driven and agile

- Documentation
- Feedback
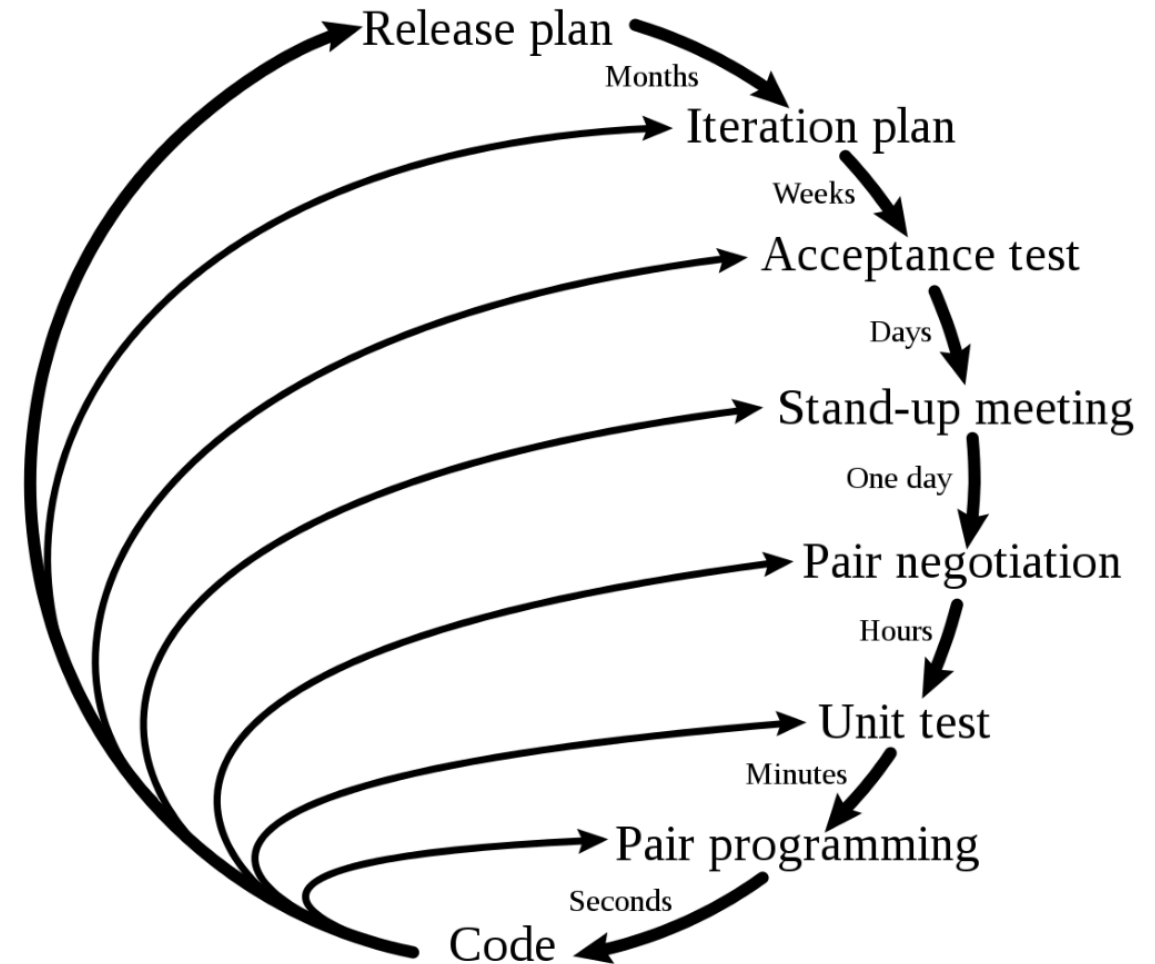- Change
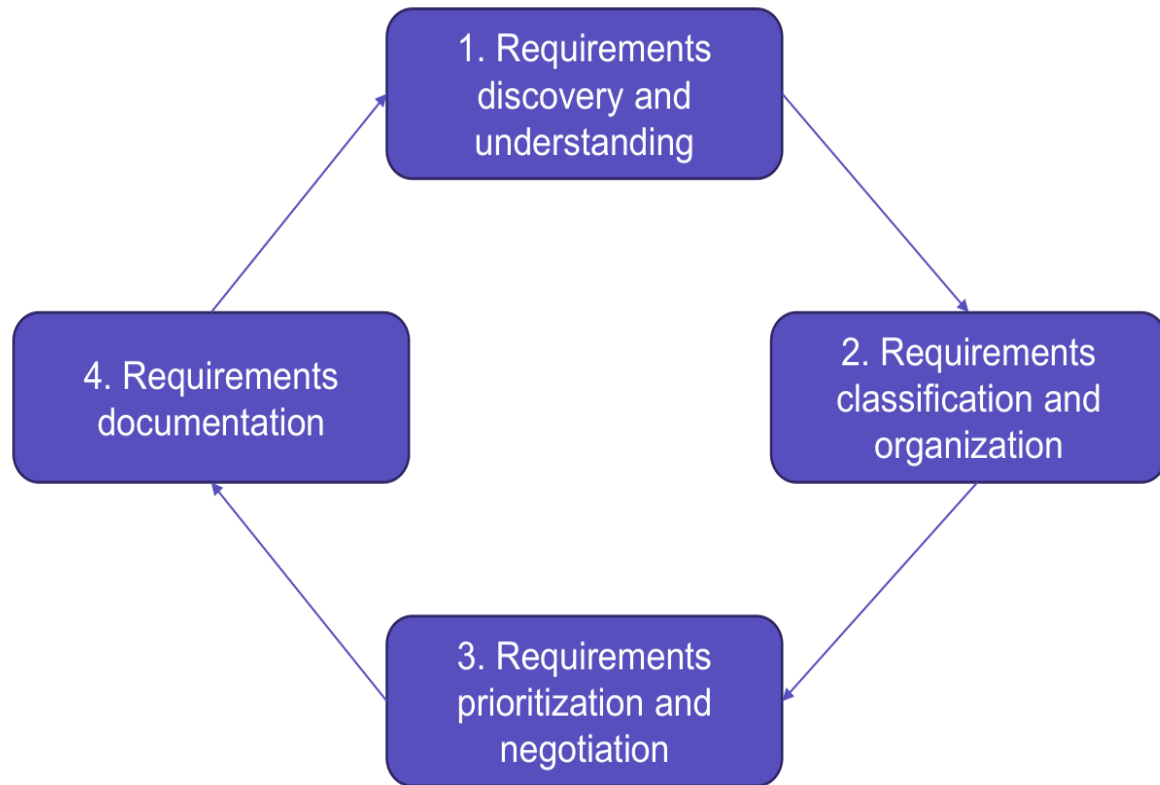- What to use and how to choose?

Key features of Scrum

Key features of XP

- Pair programming

- Customer on-site

- TDD

- Collective ownership

Product Planning and Refinement

Risk Management

- Risk assessment
- Risk control
- Common risks
- Plan-driven vs Agile

Risks	Category	Probability	Impact	RMMM
Size estimate may be significantly low	PS	60%	2	
Larger number of users than planned	PS	30%	3	
Less reuse than planned	PS	70%	2	
End-users resist system	BU	40%	3	
Delivery deadline will be tightened	BU	50%	2	
Funding will be lost	CU	40%	1	
Customer will change requirements	PS	80%	2	
Technology will not meet expectations	TE	30%	1	
Lack of training on tools	DE	80%	3	
Staff inexperienced	ST	30%	2	
Staff turnover will be high	ST	60%	2	
Σ Σ Σ				

Impact values:
    1—catastrophic
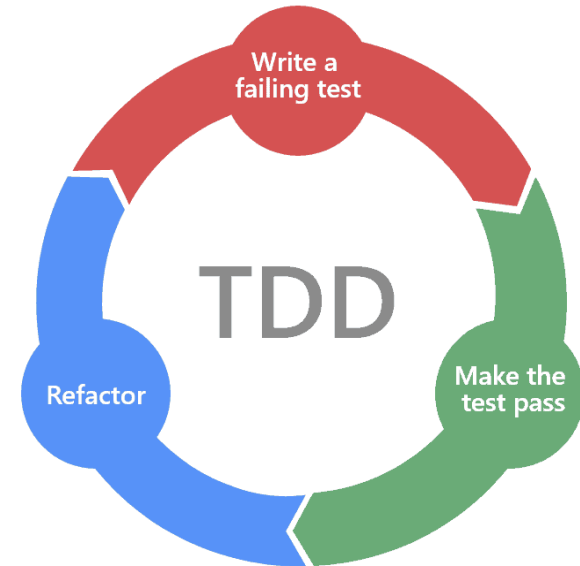   2—critical
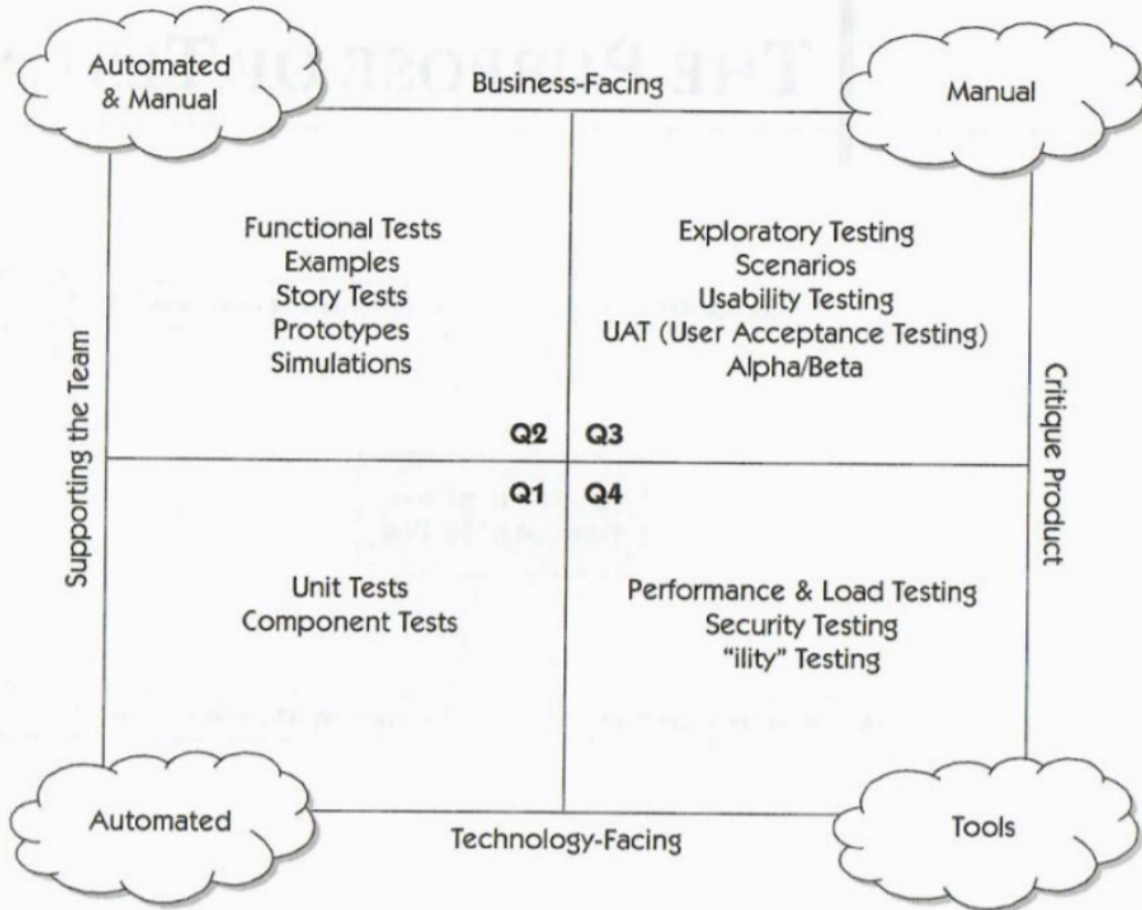   3—marginal
    4—negligible

Quality Management

- Quality Assurance
- Quality Control
- Quality culture
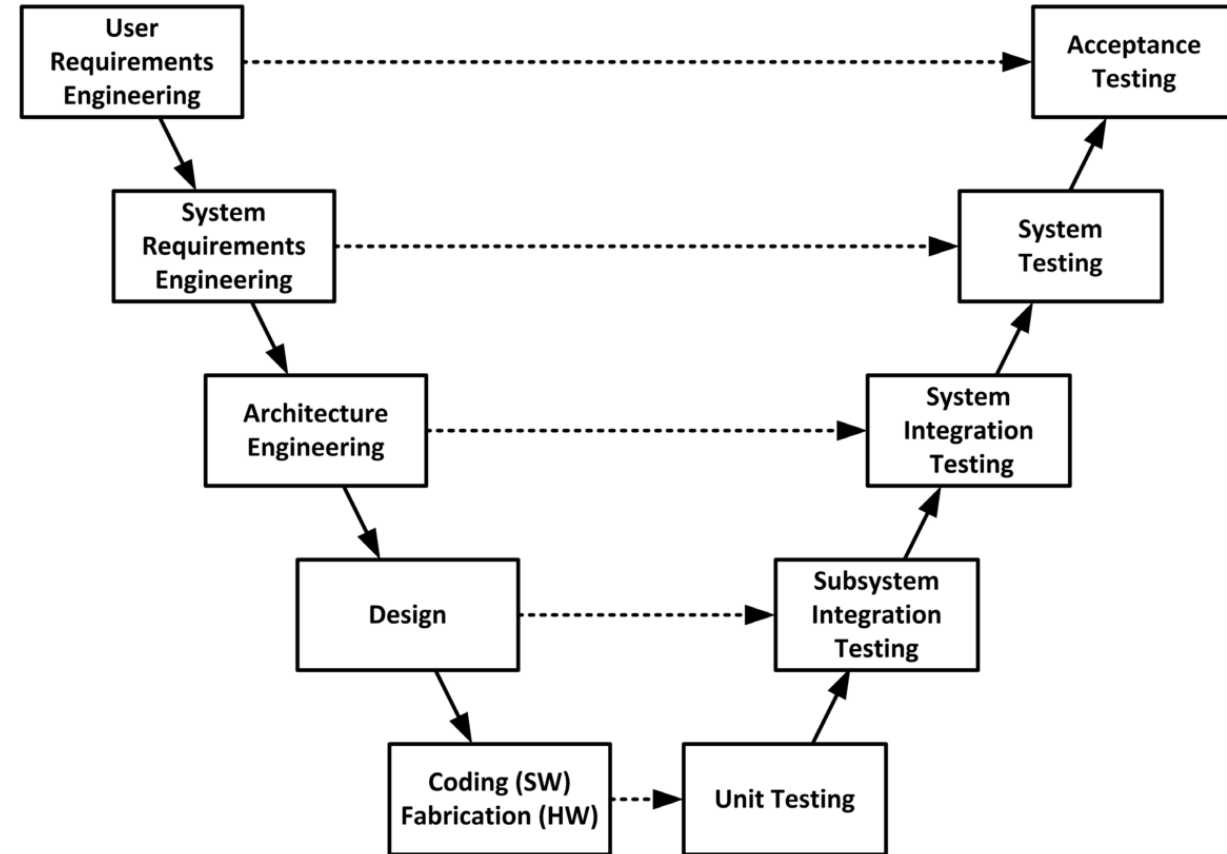
Test

Agile Testing Quadrants

TDD

Configuration Management and DevOps

- Change management
- Version management
- System building
- Release management