

Reminders

Topics

Agile Project Management

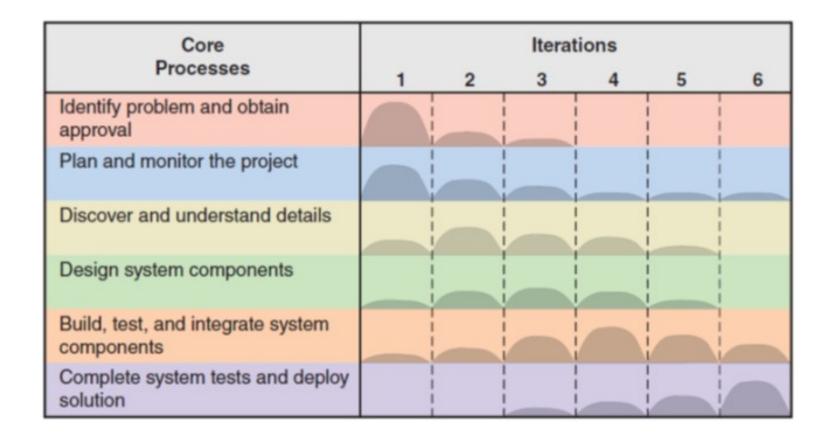
What is Agile Development?

 Set of guidelines in which we take an adaptive approach and make it agile in all development activities and tasks.

Manifesto for Agile SW Dev

- Four basic values which represent the core philosophy of Agile development:
 - Value responding to change over following a plan
 - Value individuals and interactions over processes and tools
 - Value working software over comprehensive documentation
 - Value customer collaboration over contract negotiation

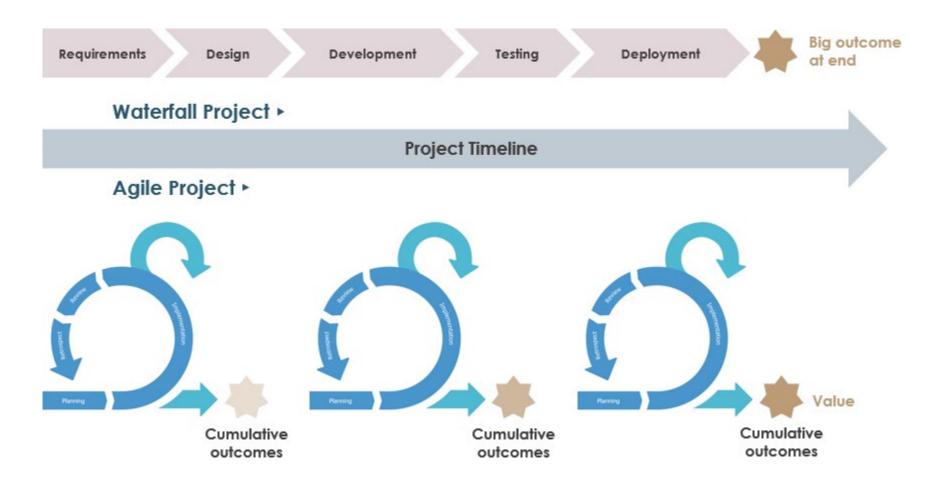
Iterative Development



12 Principles of Agile Meth.

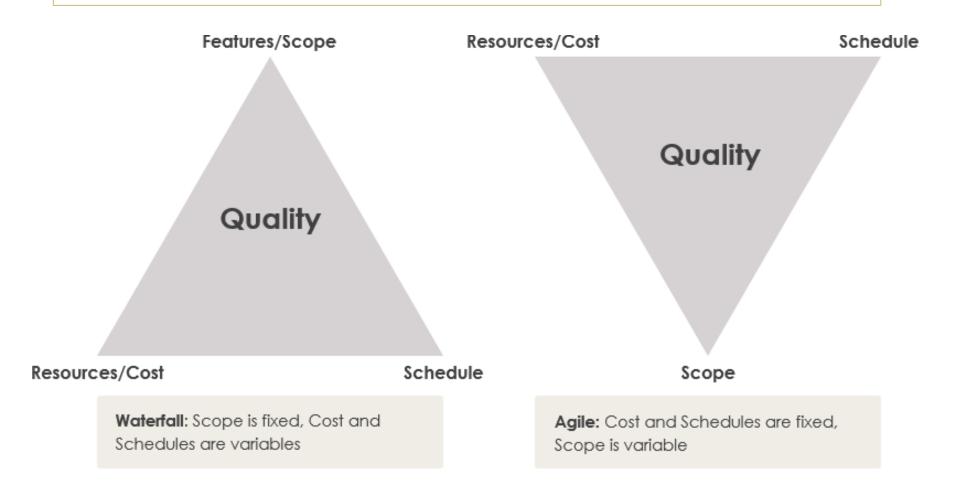
- 1. Satisfy the Customer
- 2. Welcome Change
- 3. Deliver Frequently
- 4. Work Together
- 5. Build Projects around Motivated Individuals
- 6. Face-to-Face Time
- 7. Working Software is a Measure of Progress
- 8. Sustainable Development
- 9. Continuous Attention to Technical Excellence
- 10. Keep It Simple
- 11. Organized Teams
- 12. Reflect for Effectiveness

Waterfall vs Agile



Source: https://www.visual-paradigm.com/scrum/scrum-vs-waterfall-vs-agile-vs-lean-vs-kanban/

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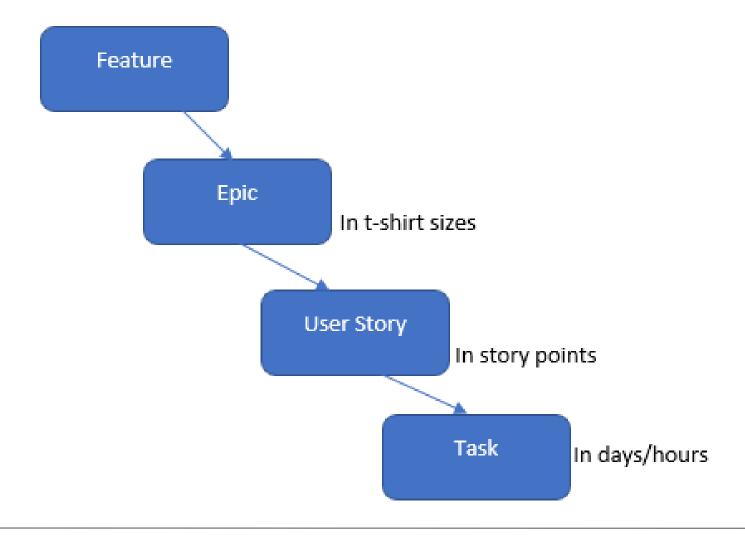
Scrum

- Scrum is a framework for managing a process.
- Consists of principles and practices.
- One of the most popular ways to implement agile.

Scrum Philosophy

- User Stories
 - "As a <user type> I want <action> so that <goal>" e.g. "As a bank user, I want to be able to submit alerts, so that I can notify customers of important account details."
- Feature service that fulfills a requirement/functionality.
- Product Backlog prioritized list of user requirements used to choose work to be done on a Scrum project.
 - Continuously being prioritized
 - Several of the high-priority items are worked on at a given time.

Scrum Philosophy



Scrum Organization

- 1. Sprint Team
 - small group of developers; usually 5-9 people
 - no roles or titles
- 2. Scrum Master
 - "coach" who keeps the Sprint Team on the right track/follows Scrum processes
 - Similar to a Project Manager
- 3. Product Owner
 - maintains the backlog list
 - prioritizes work
 - provides guidance and vision on what to build

Scrum Practices

- Sprint time-controlled mini-project that implements a specific portion of a system.
- A max of 30 days weeks in length.
- Commit to work, do all of that work, do only that work.
- Can take in new work, but decide as a team.

Quote

"Success is neither magical nor mysterious. Success is the natural consequence of consistently applying the basic fundamentals."

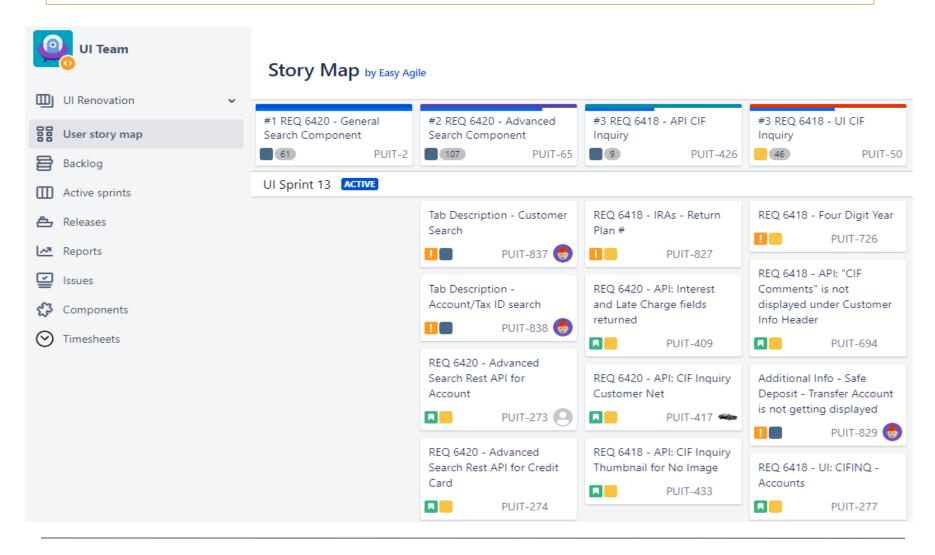
-Jim Rohn

- Banking platform
- 4 quarterly releases per year
- 2 of the 4 quarters consist of six 2-week sprints and the other 2 quarters consist of seven 2-week sprints
- Consists of features

Monday	Tuesday	- Wednesday	Thursday	Friday
		1 Sprint Planning (up to 4 hours)	2 Daily Scrum	3 Daily Scrum
4 Daily Scrum	5 Daily Scrum	6 Daily Scrum Grooming	7 Daily Scrum	8 Daily Scrum
9 Daily Scrum All Code in QA	10 Daily Scrum Review Retrospective	1 Sprint Planning	2 Daily Scrum	3 Daily Scrum
4 Daily Scrum	5 Daily Scrum	6 Daily Scrum Grooming	7 Daily Scrum	8 Daily Scrum
9 Daily Scrum All Code in QA	10 Daily Scrum Review Retrospective			

- Product Champion
 - Sprint Planning
 - Bi-weekly meeting
 - Select items from backlog
 - Base scope of work on team's velocity
 - Get commitment from full team to deliver
 - When in doubt, commit to less
 - Grooming/Backlog Refinement
 - Break out stories from epics for current features
 - Writing stories
 - Writing acceptance criteria

- Team Enabler/Flow Wizard
 - 15 minute Daily Standups
 - Daily feedback
 - Blockers
 - Demo
 - Bi-weekly meeting
 - Team, stakeholders, clients, and customers
 - Promised work, Delivered work
 - Demo what team finished
 - Retrospective
 - Bi-weekly meeting
 - Conducted after each sprint
 - What did we like? What did we improve?



Additional Resources

- Kanban overview:
 - https://www.youtube.com/watch?v=jf0tlbt9lx0
 - https://www.youtube.com/watch?v=N3BoLRVXoI0

- Scrum overview:
 - https://www.youtube.com/watch?v=9TycLR0TqFA

Questions?

