

COMP1531

⚽ Teamwork

2.6 - Interactions & Operations

In this lecture

Why?

- It's important to learn about methods to help a standard software team function

What?

- Modern agile practices
- Standups
- Sprints
- Task boards
- Meetings & minutes

What is agile?

Modern Practices - Agile

<https://agilemanifesto.org/>

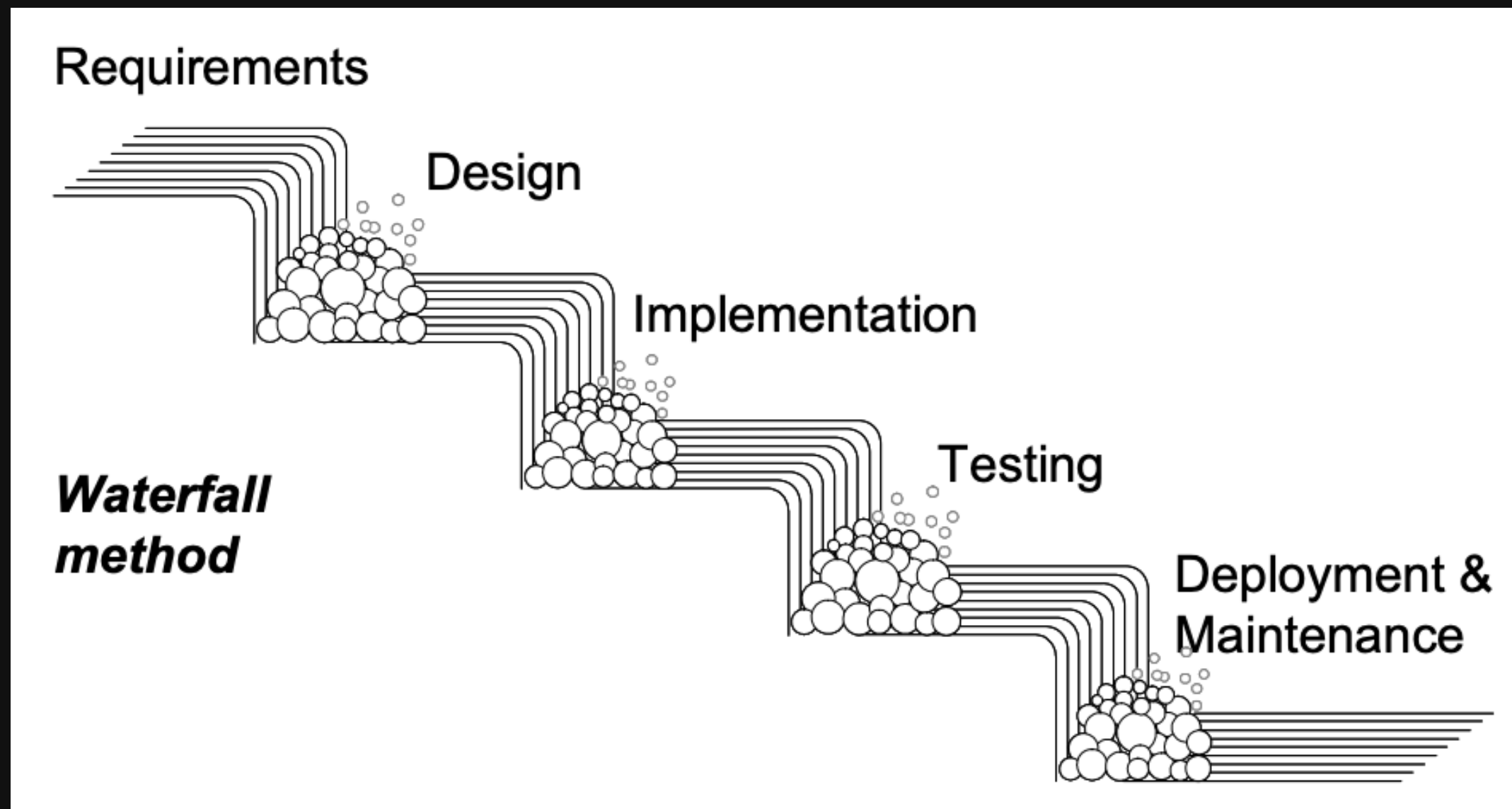
agilemanifesto.org

Yeah, but what is it really?

A clear philosophy and culture, that are used to inform a range of different processes.

Many companies operate differently in nuanced ways, but most processes follow principles that align with agile manifesto thinking

A brief history lesson



History is a lie

- "Waterfall" has never been proposed as a viable software methodology
- Reference:
<http://www.idinews.com/waterfall.html>

Defining features (that people usually agree on)

- Iterative and incremental
- Quick turnover
- Light on documentation

So what is agile good for?

- Your resume?
- Changing requirements
- Delivering software on time
- Your project?

Standups

- Frequent (often daily) **short** progress update meetings
- Traditionally, everyone stands up
- Answer 3 key questions
 - What did I do?
 - What problems did I face?
 - What am I going to do?

Asynchronous Stand-ups

- Becoming a more and more popular trend
- Advantages
 - No need to find a suitable time for everyone
 - May work better for big teams
- Disadvantages
 - "Blockers" take longer to be addressed
 - Easy to forget to give an update
 - Less personal
 - Updates from others can be missed

Task Boards

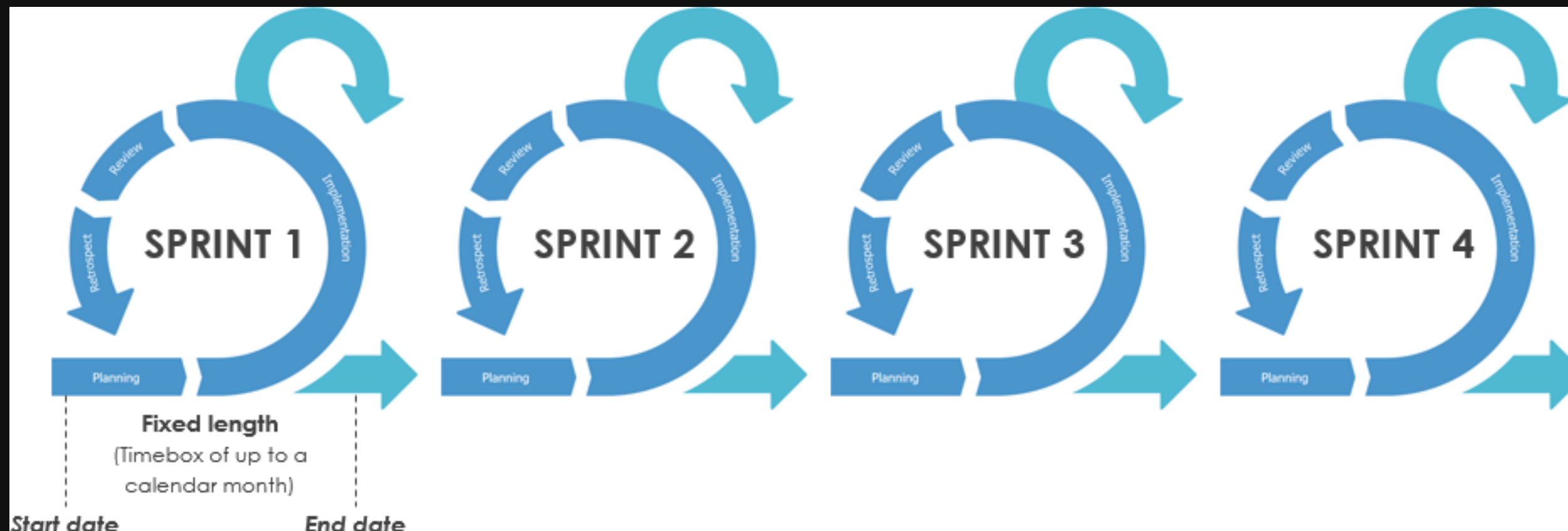


Taskboards

- Available in GitLab
- Use them to store and track your progress on user stories
- You don't need many columns. E.g.
 - Backlog
 - Todo
 - Doing
 - Testing?
 - Closed/Done

Sprints

- A fixed of time (e.g. week, fortnight) where you set a number of tasks to be completed in the team.
- After that period is up, you review progress, and set tasks for the next sprint.
- Time is fixed, scope is flexible
- Plan only for the next sprint
- Typically have a release at the end of each sprint



Meeting Minutes

- It's a good idea for teams to have more formal meetings at least once a fortnight.
- Typically this kind of meeting would fall into a start-of-sprint style meeting, though in the absence of sprints just a "weekly meeting" is adequate.
- During meeting it's usually a good idea to have someone take meeting minutes (i.e. "notes")
- Meeting minutes will typically consist of documenting:
 - Attendees
 - (Optional) Agenda
 - Discussion Points
 - Actions

Date	Attendees	Agenda	Notes, decisions and action items
Jan 11, 2021	<div>@Ana</div> <div>Kurt @Anne</div> <div>Hayden</div> <div>@Hayden Smith</div>	<div><input checked="" type="checkbox"/> @Ana Kurt to have joint/trust data from Kurt so that @Hayden Smith @Anne Kurt can make decision & start the plan</div> <div><input checked="" type="checkbox"/> Update on Q2 initiative(s)</div> <div><input checked="" type="checkbox"/> @Anne P to quickly share Invest drafts</div>	<div>• @Hayden Smith To do a 30 minute run through the mobile site for feedback</div> <div>• @Hayden Smith Post in team-leads about multi-brokerage</div> <div>• @Hayden Smith Make portfolio/profile tickets</div> <div>• @Anne P to work on profile/portfolio integration</div> <div>• @Hayden Smith to make confluence page for "template portfolios"</div> <div>• @Hayden Smith to push to prod every day</div> <div>• @Hayden Smith Reach out to DW for brokerage</div>

Pair programming

- Two programmers, one computer, one keyboard
- Take it in turns to write code, but discuss it as they go
- Can result in better code quality
- Good for helping less experienced programmers learn *micro-techniques* from more experienced programmers

Feedback

