Management Practice

10. Agile applied

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Agile is a process by which projects can be managed and implemented in small chunks of work

There is opportunities to assess a project's direction during the development cycle

It helps teams to provide quick responses to change

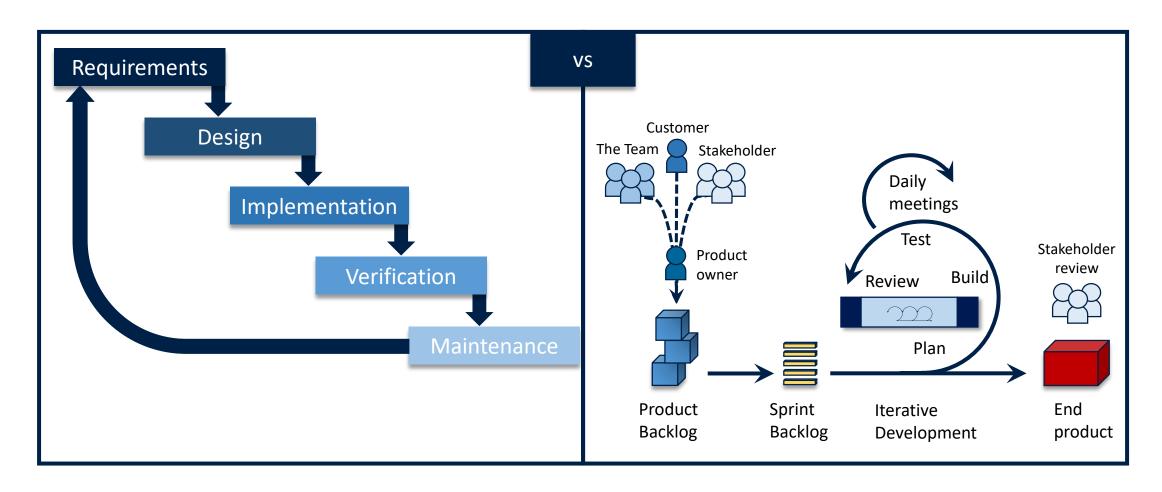
This process enables businesses to deliver part of the solution as they become ready









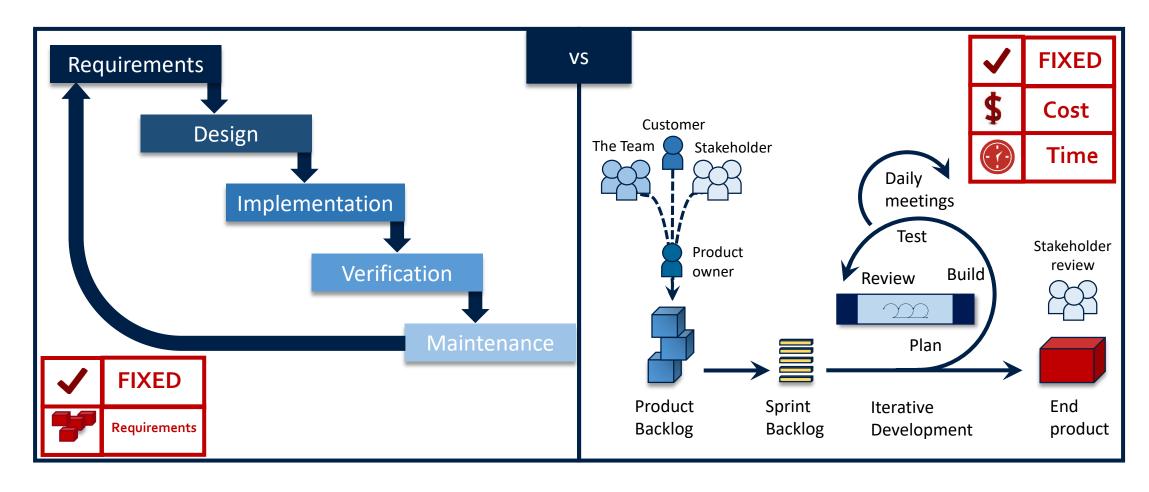






Waterfall approach vs

Agile







Agile Manifesto

We are uncovering better ways of developing software (products) by doing it and helping others do it. Through this work we have come to value:

- Individual and interactions
- Working software (products)
- Customer collaboration
- Responding to change

Over

- Process and tools
- Comprehensive documentation
- Contract negotiation
- Follow a plan

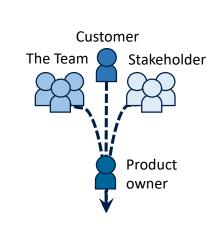
Philosophy

'Best business value emerges when projects are aligned to clear business goals, deliver frequently and involve the collaboration of motivated and empowered people.'





Agile – Team



People working together effectively are the foundation of any successful project.

Assign clear roles and responsibilities to each person representing the following interests:

Management

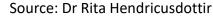
Business

Process

Technical

At the same time:

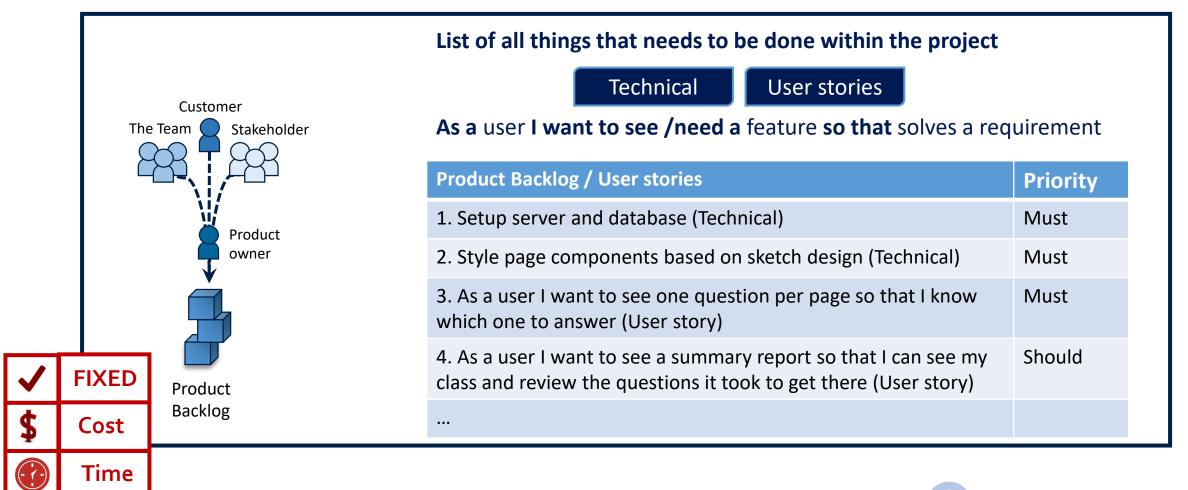
- respect each other's knowledge, experience, skills and opinions
- take personal responsibility for their work and the dependence of the other team members of them
- Have the courage to **challenge** ways of working, to **improve** their team collaboration and working processes.







Agile – Product Backlog (1 day, group meeting)

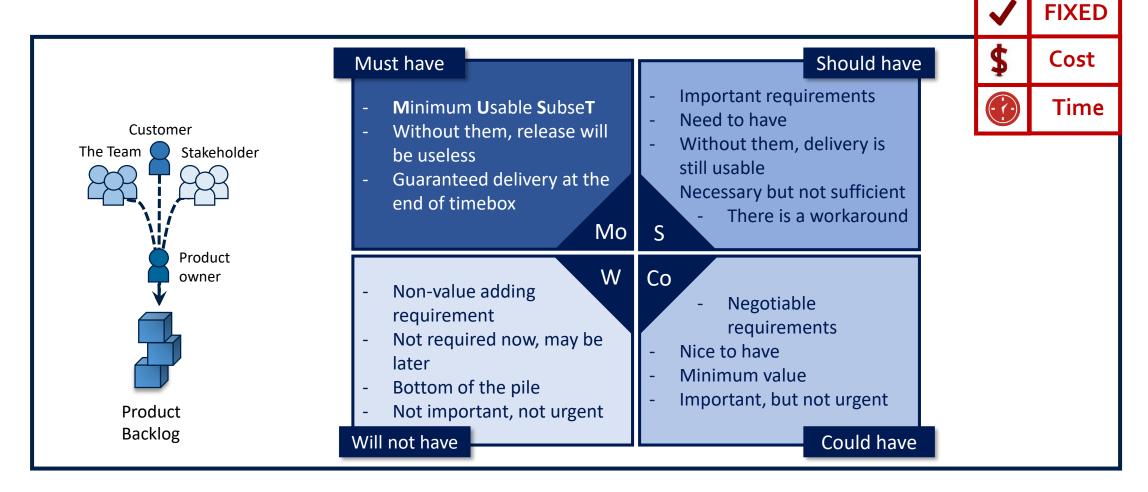






Source: Dr Rita Hendricusdottir

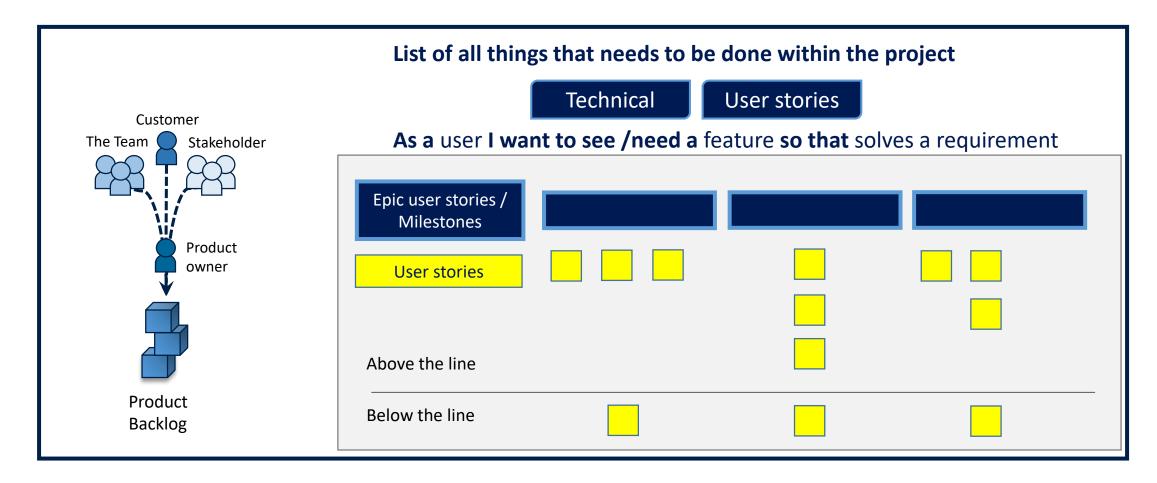




Minimum viable product (MVP)



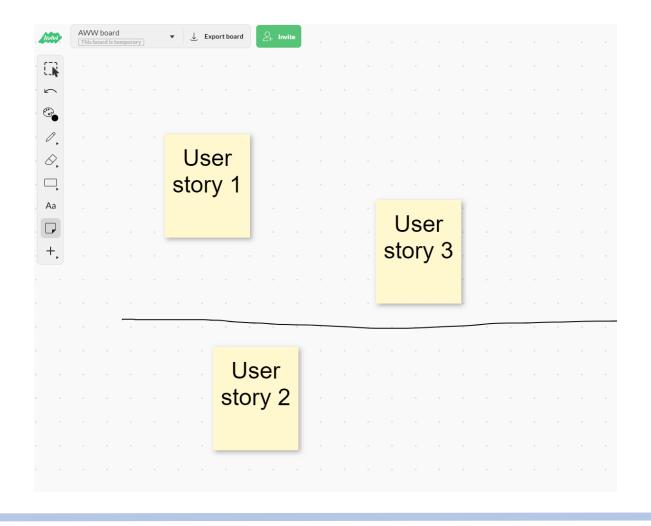
Exercise – Product Backlog









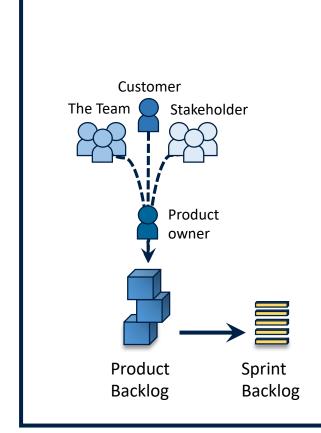


Source: www.awwapp.com





Agile – Sprint Backlog



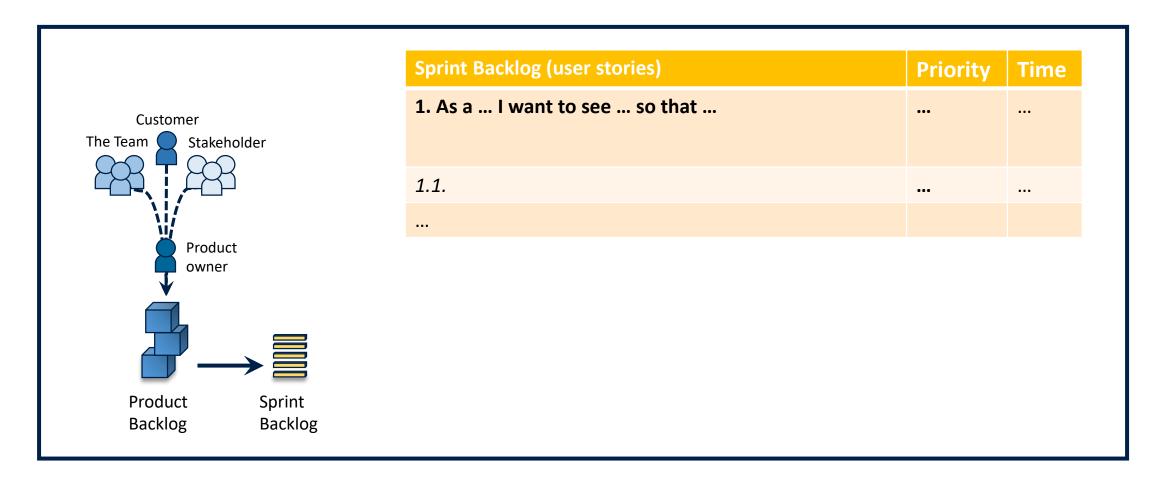
Sprint Backlog	Priority	Time
4. As a user I want to see a summary report so that I can see my class and review the questions it took to get there (User stories)	Must	2.75
4.1. I want to see what class my device is	Must	
4.2. I want to see all of the questions/decisions that I made so that I can review these	Should	
4.3. I see the date that the summary report was generated	Could	
4.4. I want to see a "start again" action so that I can do-over, plus guidance as to why I might want to use this	Could	







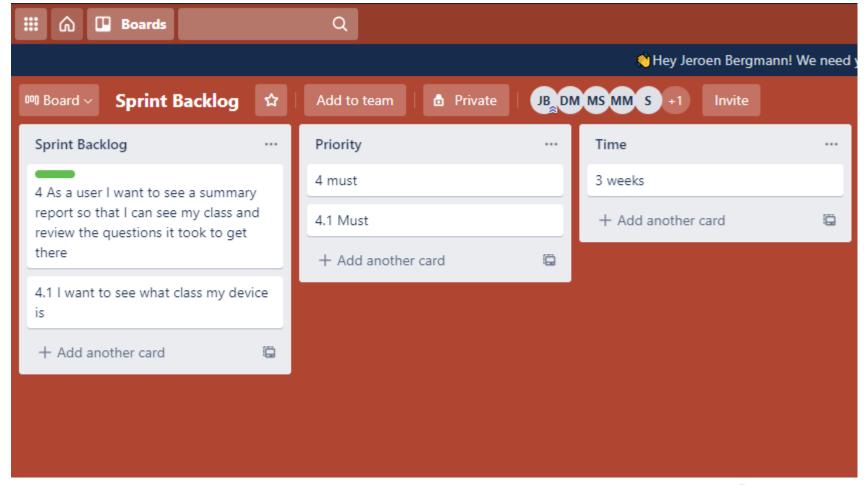
As a user I want to see /need a feature so that solves a requirement







Setup Sprint Backlog (10 mins)

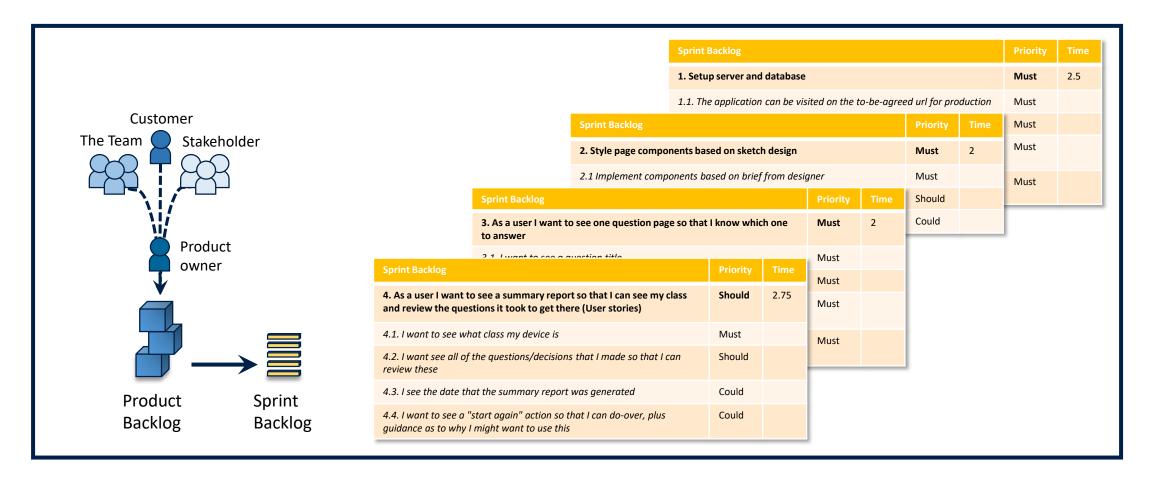


Source: www.trello.com





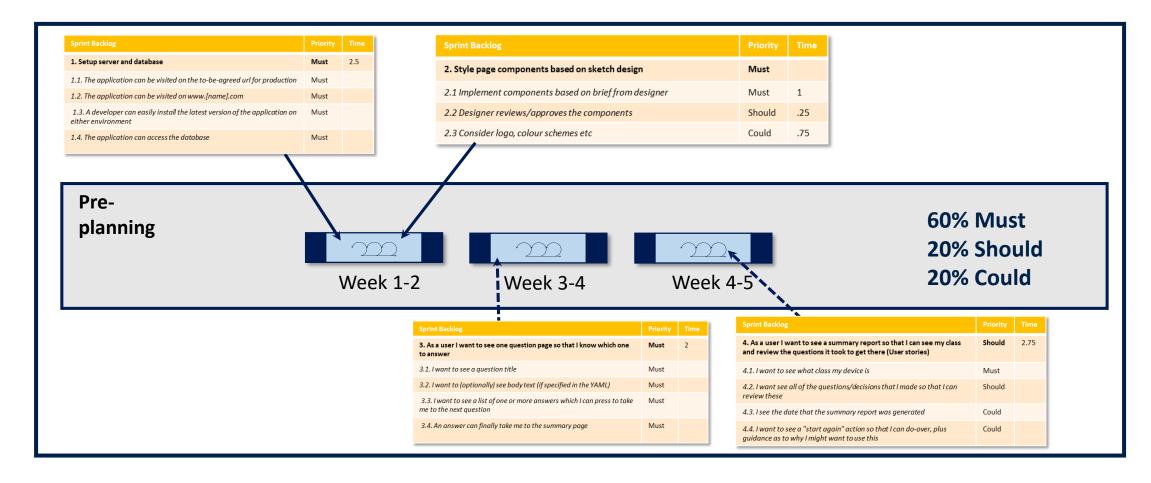
Agile – Sprint Backlog (1 day, group meeting)







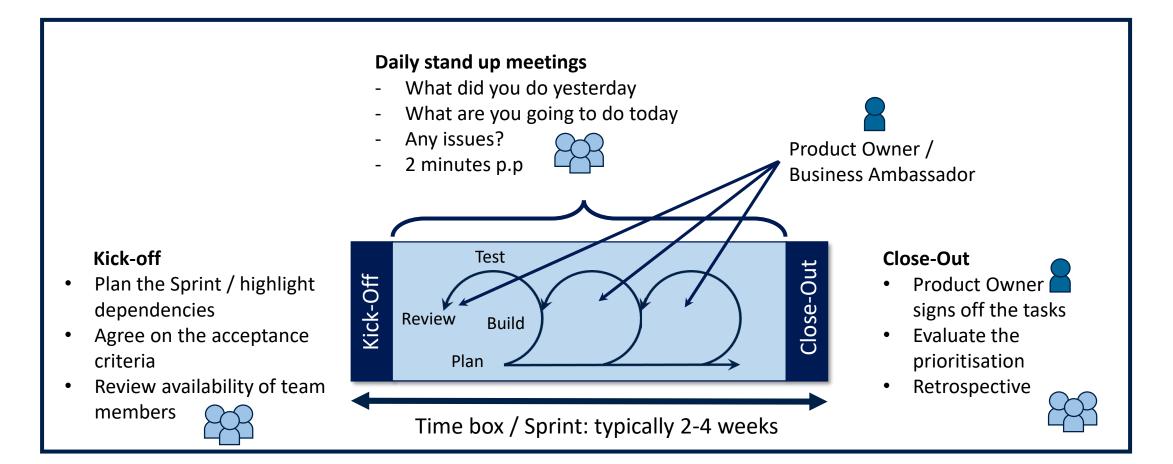
Agile – Planning the Sprints







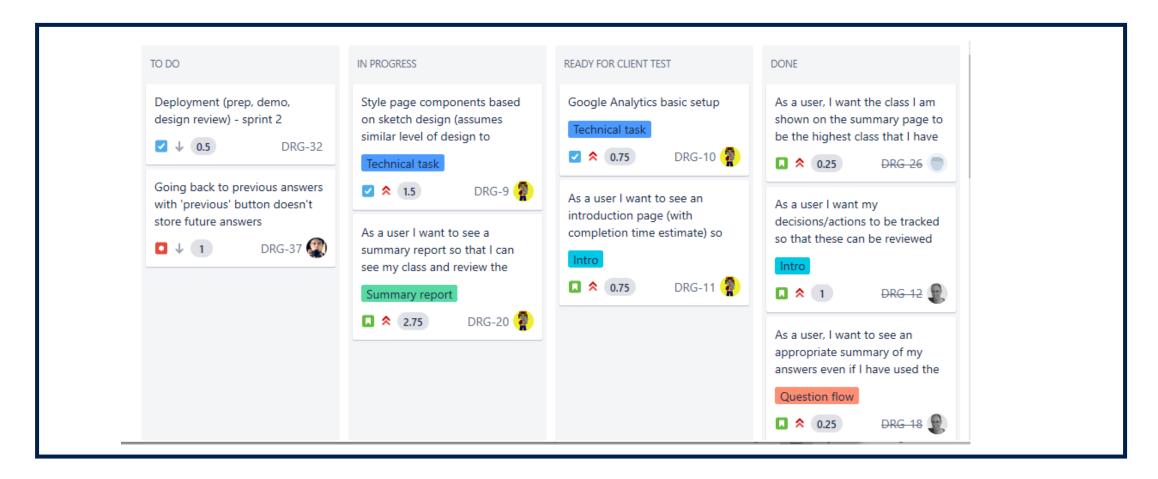
Agile – Time box / Sprint







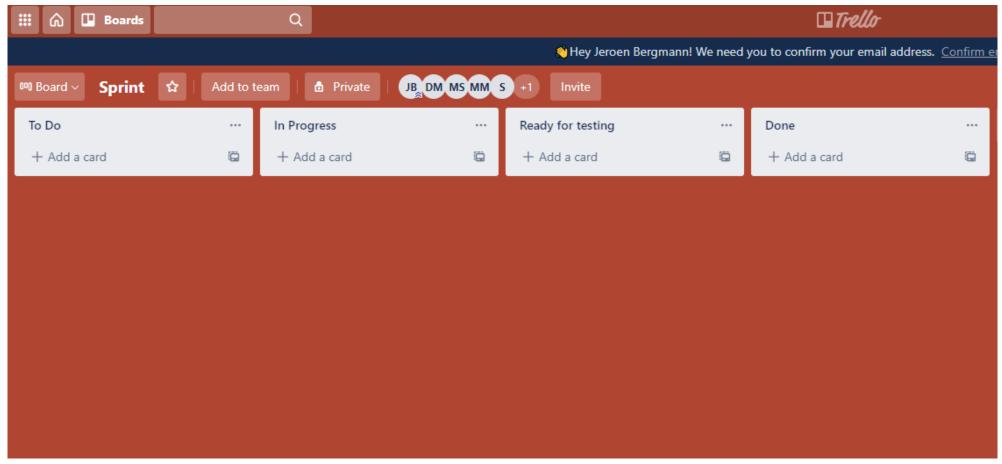
Agile – Sprint: tracking progress







Setup Sprint (10 mins)

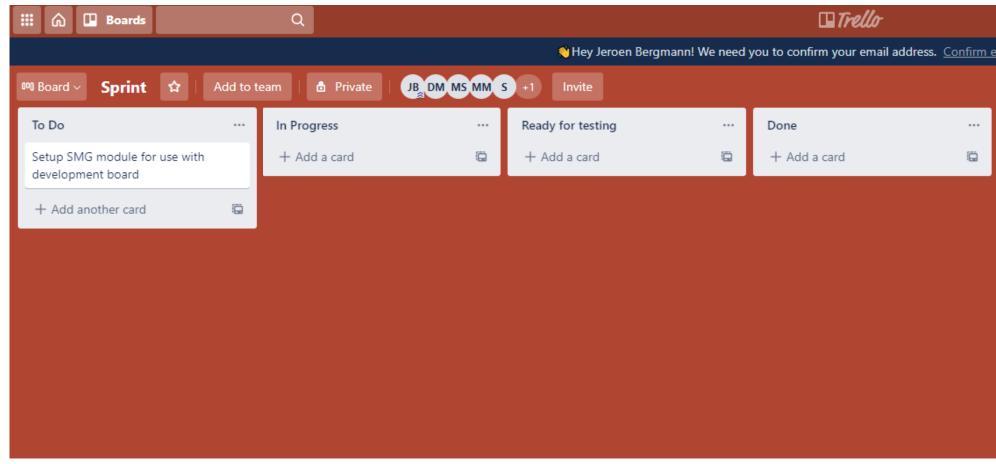


Source: www.trello.com





Setup Sprint – add cards

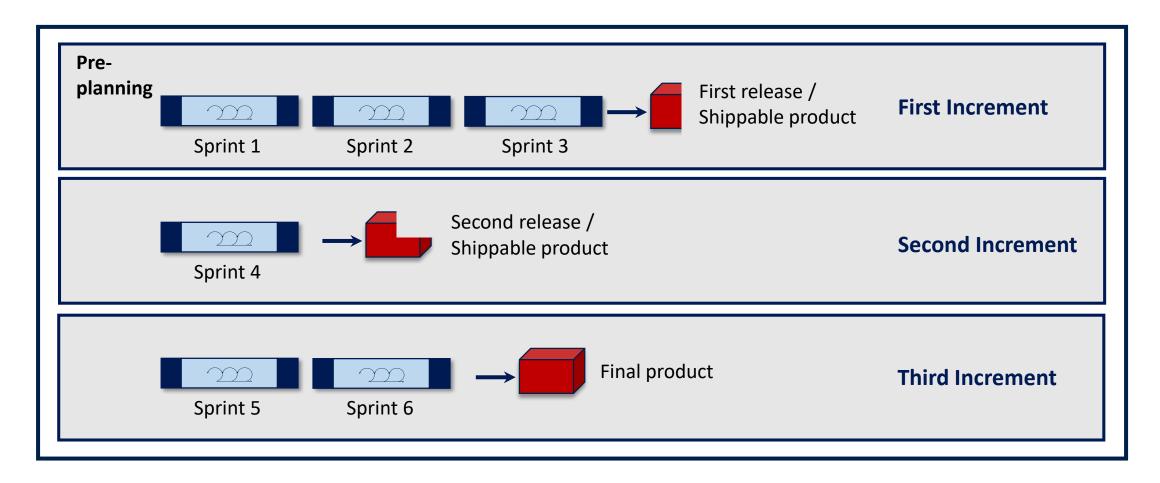


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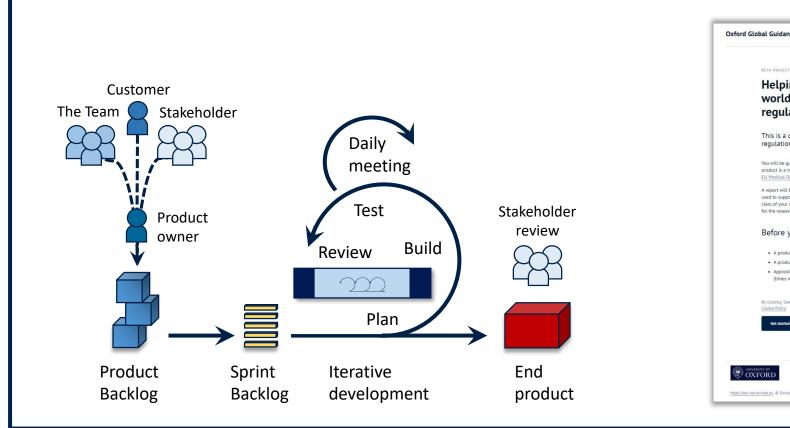
Agile – Iterative Development

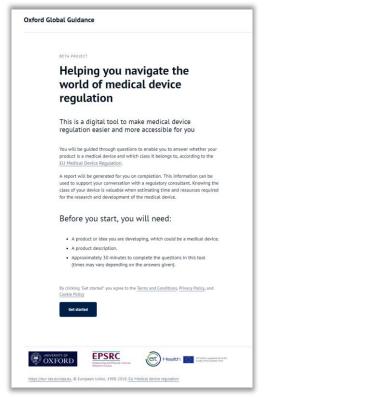






Agile – End product









Questions?

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