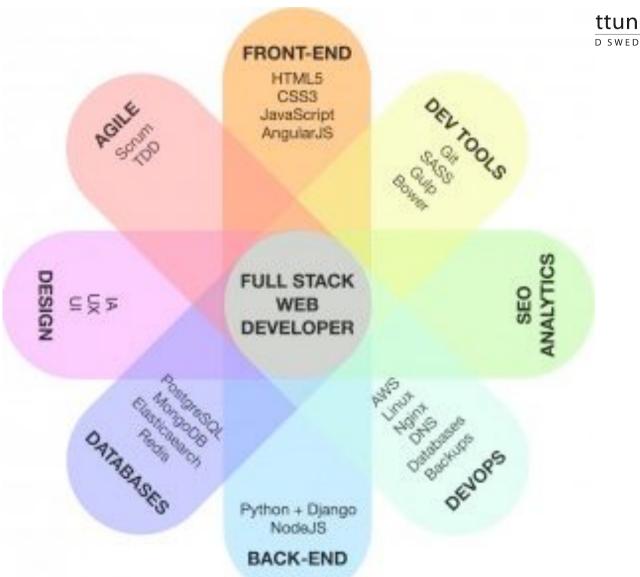


Föreläsning Agila metoder

Lisa Sällvin 2017-02-01

DT170G

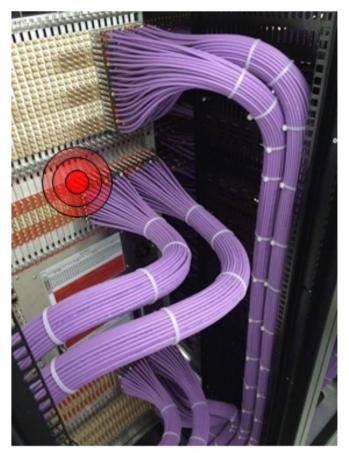


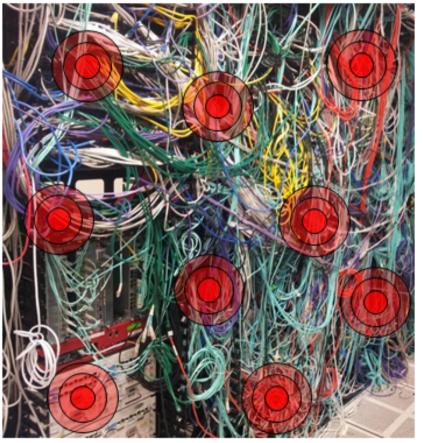


http://www.indiaeducation.net/computers-it-courses/full-stack-development.html

Clean code

Legacy code







Locations in the code base that require modification for a new feature

Time to implement a new feature



U

Probability of breaking existing functionality







A full stack developer...

- understands what the customer and the business need
- cares about the user experience
- designs the user / front end (html, css, node, js, mobile app)
- (designs any API interfaces)
- designs the business logic / back end (e.g. Java, ruby)
- designs the data model (database, sql)
- understands the hardware (server, network)

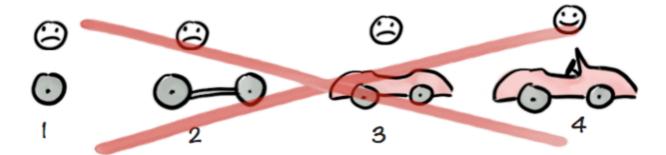
http://www.laurencegellert.com/2012/08/what-is-a-full-stack-developer/



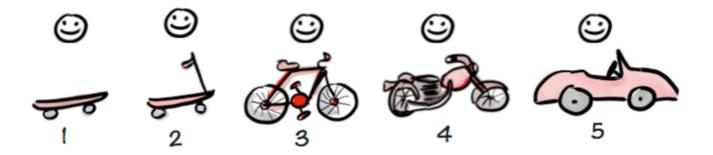
Agil utveckling

- mer nytta för kunden under hela projektet

Not like this....



Like this!





Några begrepp. Känner ni till...?

Scrum

XP

TDD

CI

YAGNI

Refactoring



eXtrem Programmering (XP)

https://sv.wikipedia.org/wiki/Extrem_programmering http://ronjeffries.com/xprog/what-is-extreme-programming/



XP beskrivs med fem värden...

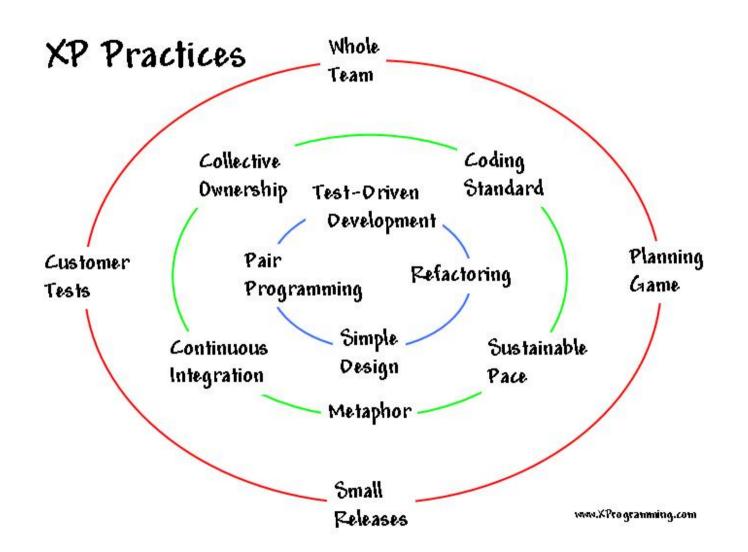
- Kommunikation
- Enkelhet
- Återkoppling
- Mod
- Respekt



...och en massa praxis (practices). Mjukvaruutveckling handlar om så mycket mer än att skriva kod.

- Planning
- Design
- Coding
- Testing
- Release
- Collaboration

http://www.slideshare.net/aniruddha.chakrabarti/agile-practices-extreme-programming

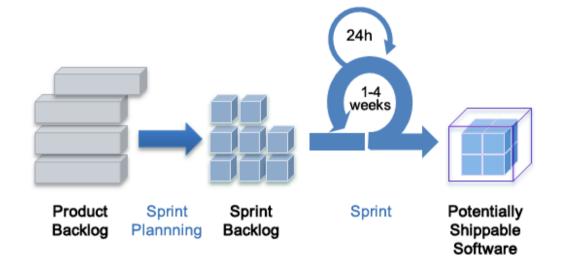




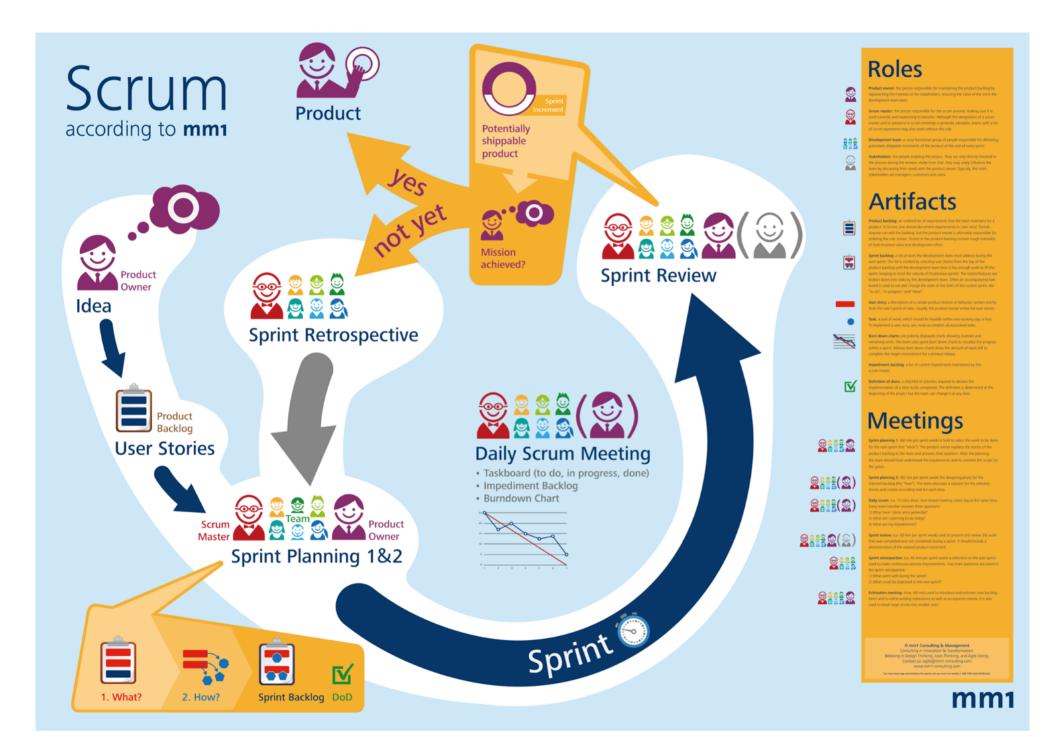
Scrum



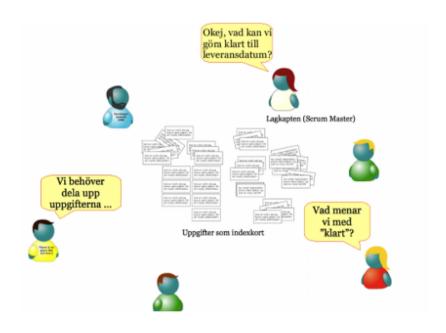
Scrum



Scrum är ett exempel på en agil metod.

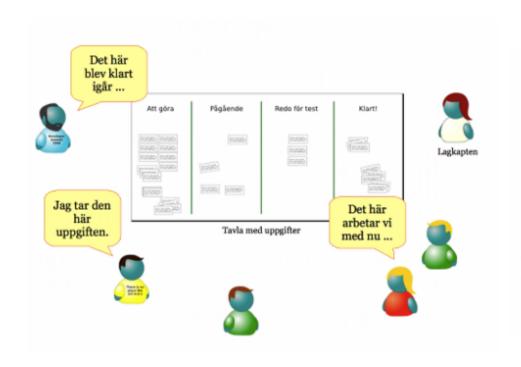




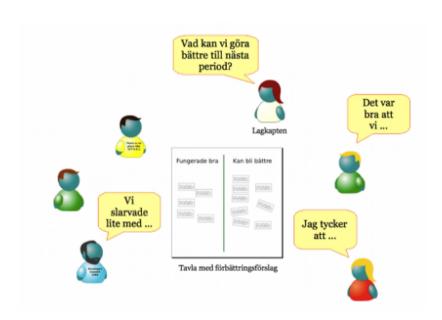


1 uppstartmöte

2 planering





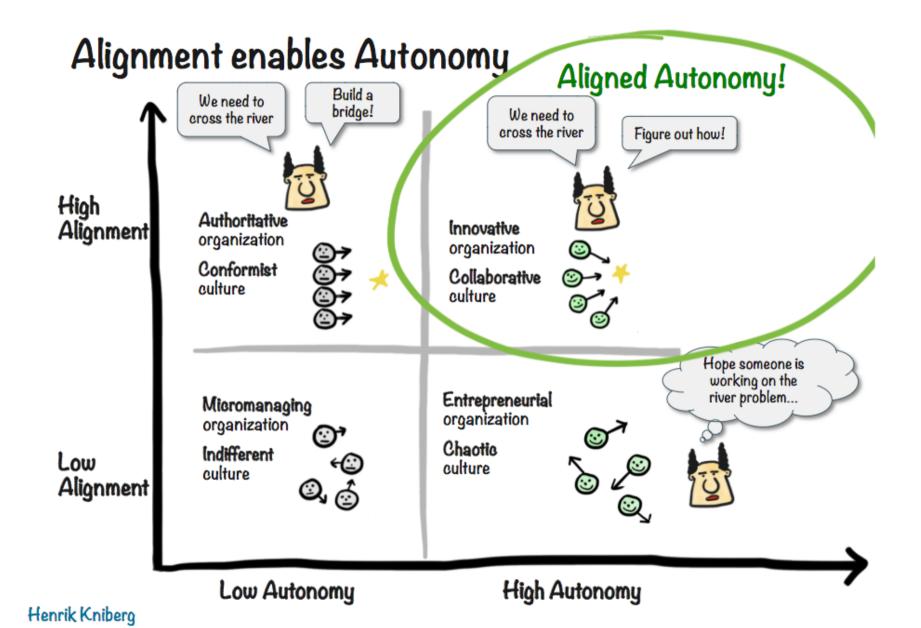


5 retrospektiv

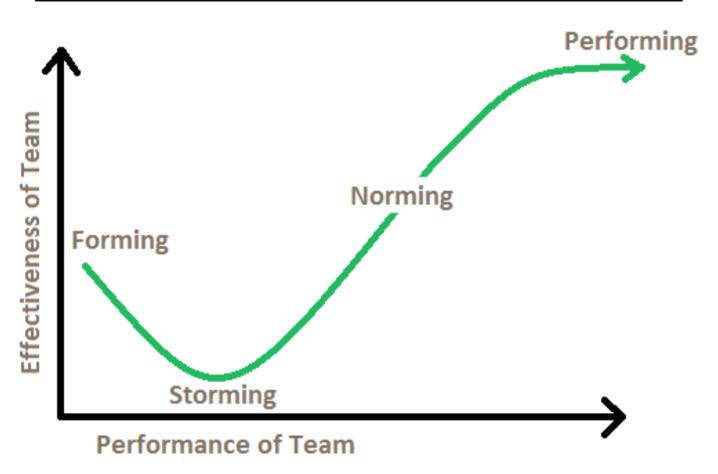
Källa: http://blogg.idg.se/agile/2009/04/27/scrum-p-fem/



Några ord om ledarskap i agila projektgrupper...



Tuckman's Team & Group Development Model



FORMING

STORMING

NORMING PERFORMING

BEHAVIORS

- The purpose and goals for the team are unclear.
- Members feel varying degrees of commitment.
- Members are cautious, don't initiate and avoid responsibility.
- Communication is low and a few members often dominate.
- Members are dependent on directive leadership.

TASKS

- Build a common purpose. Clearly establish the expectations of the customers or sponsors.
- Understand personal expectations and interests.
- Clarify accountability, recognition, and rewards.
- Assess resources; see who has what to contribute.
- Leader provides direction and drives the team process.



BEHAVIORS

- Differences and confusion arise over goals and roles.
- Struggles erupt over approaches, direction, and control.
- Team members react toward leadership with counterproductive behaviors.
- Team is uncertain about how to deal with issues openly.
- Team wrestles with issues of communication.
- Members act from an independent stance.

TASKS

- · Involve everyone in the discussion.
- Inquire into differences; include all ideas and opinions.
- Seek further clarity about purpose and develop a common approach to meeting project objectives.
- Assess and test resource needs; make necessary adjustments.
- Define operational agreements (norms).
- Leader raises difficult issues and coaches team through struggles.

BEHAVIORS

- Team gains confidence, feels a sense of momentum.
- "What," "How," "Who," and "When" become clarified.
- Team develops agreements on approaches, goals, communication, and leadership roles.
- Team builds relationships with externals (customers, key stakeholders).
- Members begin to relate interdependently.

TASKS

- Develop processes for information sharing, feedback, and resource distribution.
- Have open forums on tasks and relationships, both internal and external.
- Build appropriate feedback loops with external relationships.
- Work toward consensus on overarching issues. Negotiate where appropriate.
- Leader uses a facilitative style to create the opportunity for others to lead.

BEHAVIORS

- Members take full responsibility for tasks and relationships.
- Team achieves effective and satisfying results.
- Team takes the initiative to continually assess external forces.
- Team facilitates itself easily through the various stages.
- Members work proactively for the benefit of the team.

TASKS

- Continuously seek to improve tasks and relationships.
- Assess and evaluate results against purpose and external forces.
- Celebrate successes—reward and recognize both team and individuals wins.
- Continuously test for better methods and approaches.
- Leader focuses on purpose, interdependent relationships, and conditions that shift the stages.

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Vad gör ni nu?



Två leverabler i projektet, ska beskrivas i projektrapporten

1. Team rules

Vilka XP praxis ska ni använda och hur?

Roller?

Möten?

Kommunikationsverktyg?

2. Backlog

Planering – Vad vill kunden ha? Bryt ner i en backlog



Utvalda XP/Agila metoder i denna kursen

Planering

User stories, prioriteras och bryts ner i tasks

Kodning/samarbete

- Sitt tillsammans
- Gemensam kodstandard
- Parprogrammering / Kollektivt ägarskap
- Ständig förbättring av kod (refactor) och av arbetssätt (retrospektiv)

Test/integration

- Laga buggar först de har högsta prio
- Alla commit-ar sin kod ofta



Måndag 6/2 (Lisa är facilitator)

10.15 – 11.00 Grupp "Restaurang"

11.15 - 12.00 Grupp "Gitarrverkstad"