A Short Introduction to Scrum

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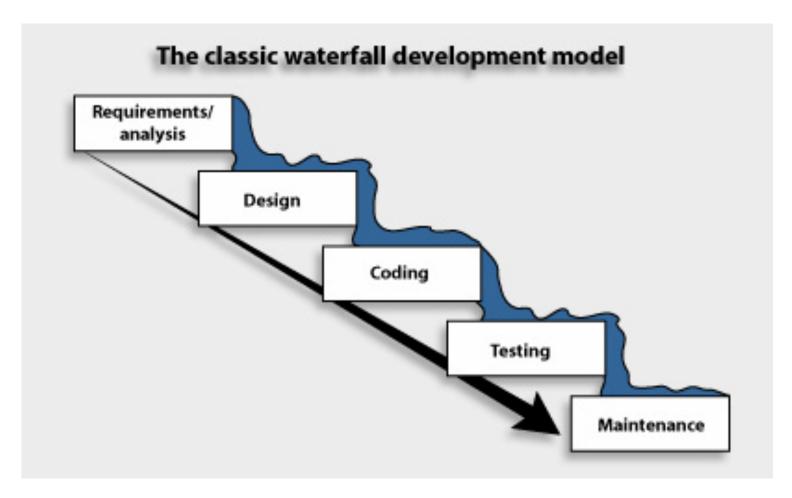
Agenda

- What is Scrum?
- Benefits
- Key Scrum concepts
- Roles
- Meetings
- Tools
- Benefits revisited
- Commitments
- Q&A

What is Scrum?

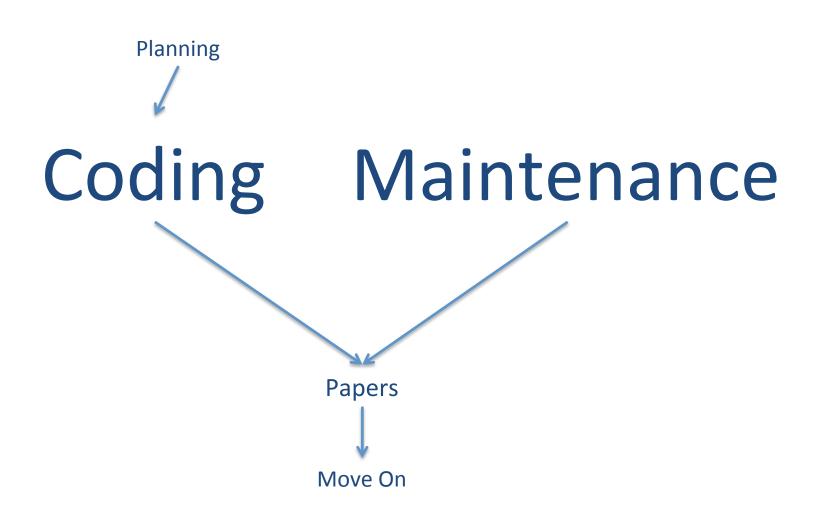
- Scrum is an agile project management process for developing software.
- Agile processes are marked by small development iterations and frequent feedback from stakeholders.
- Agile processes were popularized in response to waterfall processes which resulted high project failure rates.

A Waterfall Process

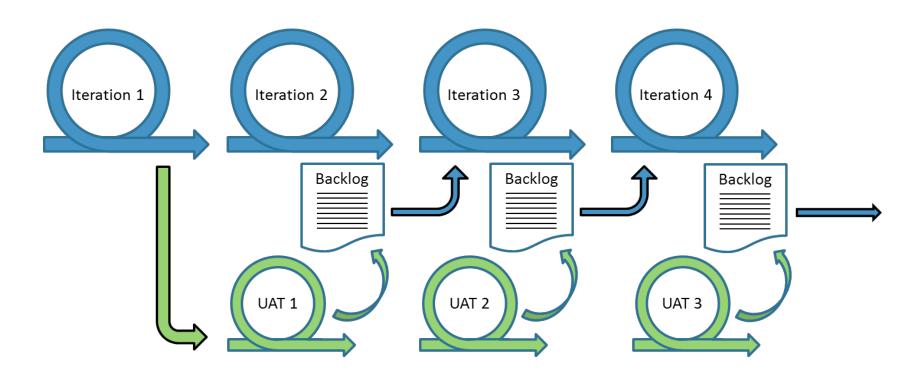


Source: http://snailonabike.files.wordpress.com/2010/05/waterfall.jpg

Our Process



An Agile Process



Source: http://bit.ly/WHzWqZ

Benefits

- When properly implemented, Scrum usually works
- Avoids wasteful development
- Higher productivity
- Developer engagement
- Customer satisfaction
- Accurate estimations
- Adaptability to changing requirements

Key Scrum Concepts

- Product backlog
- Stories
- Story points
- Sprint
- Sprint backlog
- Definition of done
- Velocity

Story Cards

Front of Card

As a student I want to purchase a parking pass so that I can drive to school Priority: Many Should Estimate: 4

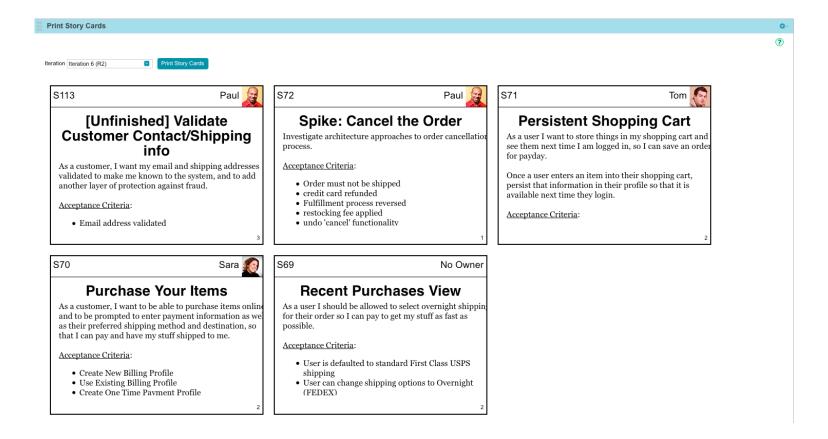
Back of Card

Confirmations;
The student must pay the correct anot
One pass for one month is issued at a time
The student will not recieve a pass of the preparent
The person buying the pass must be a compatily
The student may only buy one pass por month.

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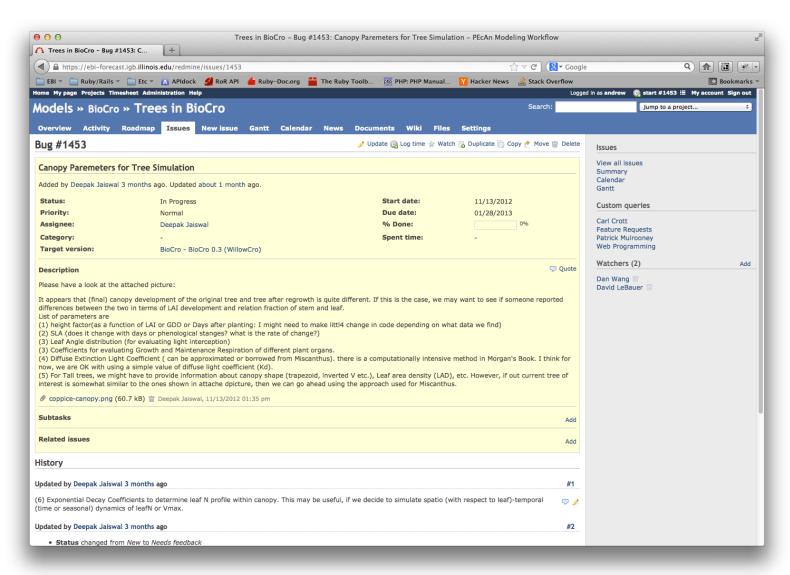
Source: http://www.agilemodeling.com/artifacts/userStory.htm

Story Cards

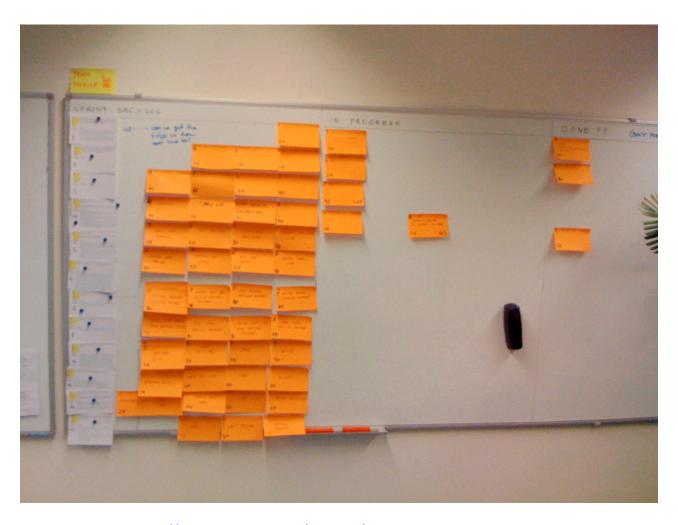


Source: https://prod.help.rallydev.com/sites/default/files/multimedia/print-story-cards.png

Story Cards



Sprint Backlog



Source: http://media.agile42.com/content/Whiteboard_Product_Backlog.JPG

Roles

- Product owner
- Stakeholders
- ScrumMaster
- Development Team

Meetings

- Daily standup
- Story writing
- Planning poker
- Sprint planning
- Sprint review
- Sprint retrospective

Tools

- Version control system
 - Github & Bitbucket
- Continuous integration
 - In place for PEcAn
- Wiki
 - Redmine
- Backlog & task board
 - Redmine + Backlogs plugin
- Open office space

Benefits Revisited

- When properly implemented, Scrum usually works
- Avoids wasteful development
- Higher productivity
- Developer engagement
- Product owner satisfaction
- Accurate estimations
- Adaptability to changing requirements

Commitments

- Product Owner (Steve)
 - Sprint planning & sprint review meetings
 - Readily available for questions & feedback
 - Can be done via Skype or email
- ScrumMaster (David)
 - All meetings
 - Backlog grooming
- Development Team (Deepak, Dan, David)
 - All meetings
 - Demo prep

Q & A

• Questions?