

Agile with Scrum

Sang Nguyen

Scrum Framework

Roles:

- Product owner
- ScrumMaster
- Team

Ceremonies:

- Sprint planning
- Sprint review
- Sprint retrospective
- Daily scrum meeting

Artifacts:

- Product backlog
- Sprint backlog
- Burndown charts

Roles

- Product owner
- Scrum master
- Team: programmer, tester, designer...

3 Artifacts



Product Backlog



Sprint Backlog

Sprint Backlog



Burndown Chart

A sample product backlog

Backlog item	Estimate (days)
Allow a guest to make a reservation	3
As a guest, I want to cancel a reservation.	5
As a guest, I want to change the dates of a reservation	3
Improve exception handling	8
...	30

1 Sprint

Plan	Build	Test	Review	Retrospective
Sprint Backlog			Demo	
1-16 hours			2 hours	30'
Whole team			Whole team	Whole team

2-4 weeks

- No change during sprint

Sprint planning

Sprint planning meeting

Who

- Team, ScrumMaster, & Product Owner

Agenda

- Discuss top priority product backlog items
- Team selects which to do

Why

- Know what will be worked on
- Understand it enough to do it

Sprint goal

Sprint backlog

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Tasks	Mon	Tues	Wed	Thur	Fri
Code the user interface	8	4	8		
Code the middle tier	16	12	10	7	
Test the middle tier	8	16	16	11	8
Write online help	12				

Sprint Backlog

A Sprint Burndown Chart



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Daily scrum

- Duration: 15'
- Everyone answers 3 questions:
 - What did you do yesterday?
 - What will you do today?
 - Is anything in your way?