Agile with Scrum

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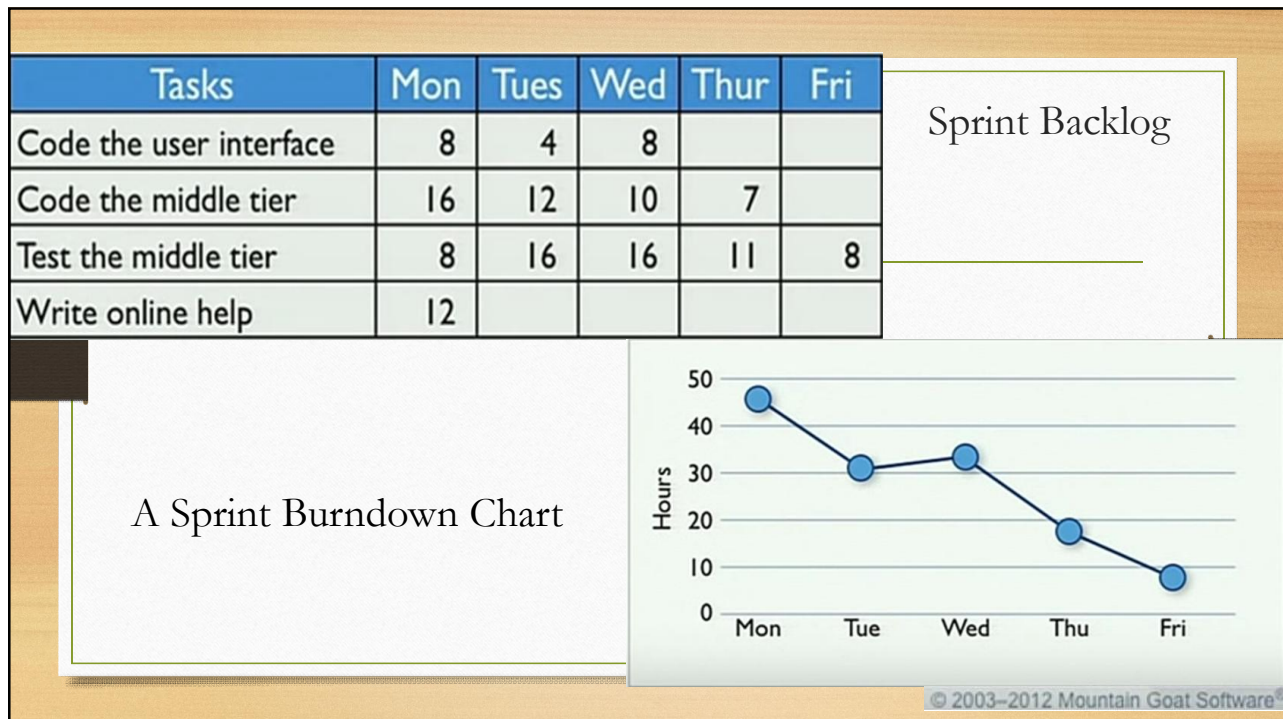- Discuss top priority product backlog items
- Team selects which to do

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?