Scrum Artifacts

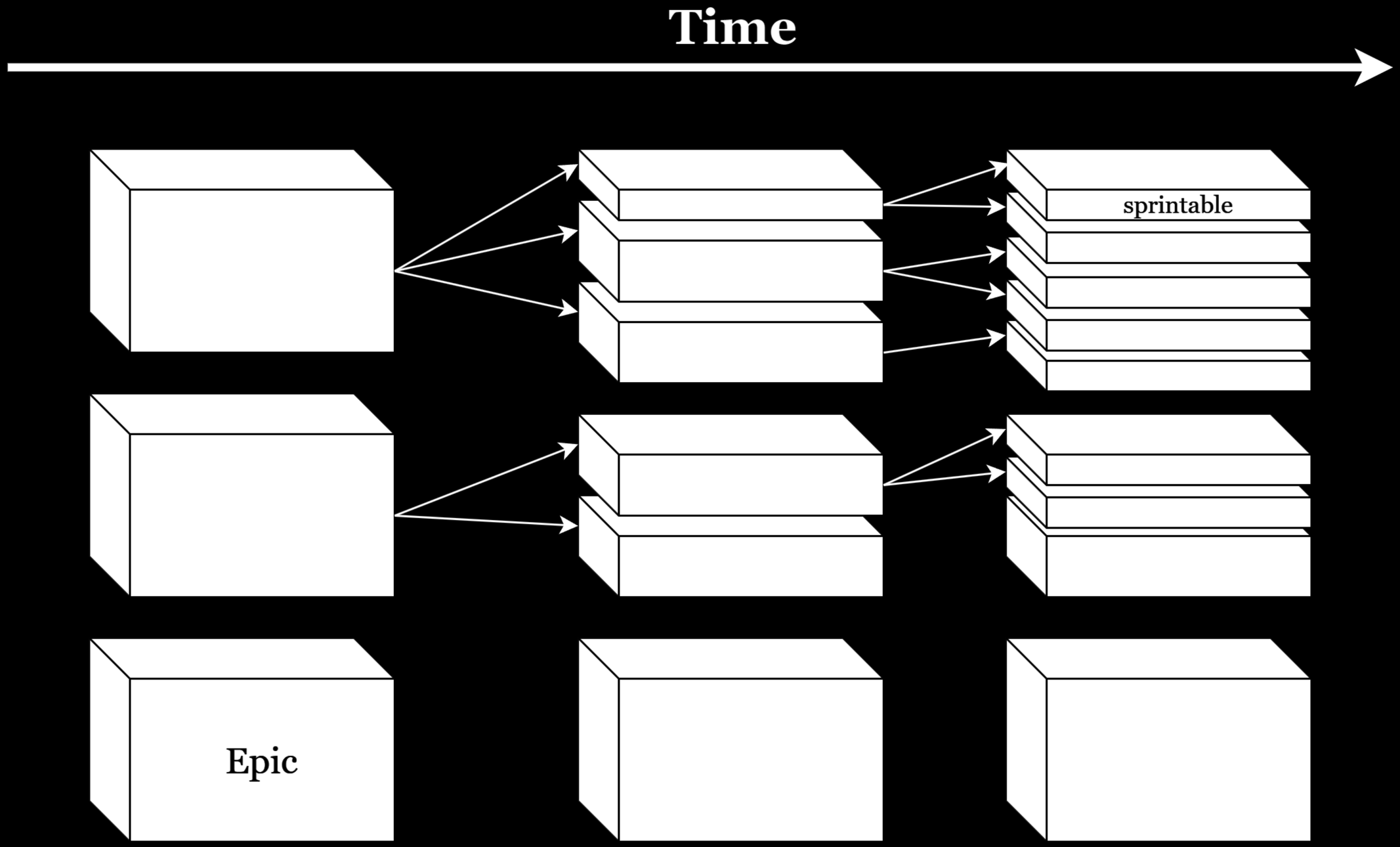
Systems Analysis & Design

Learning Objectives

By the end of this session, you will have acquired the following information:

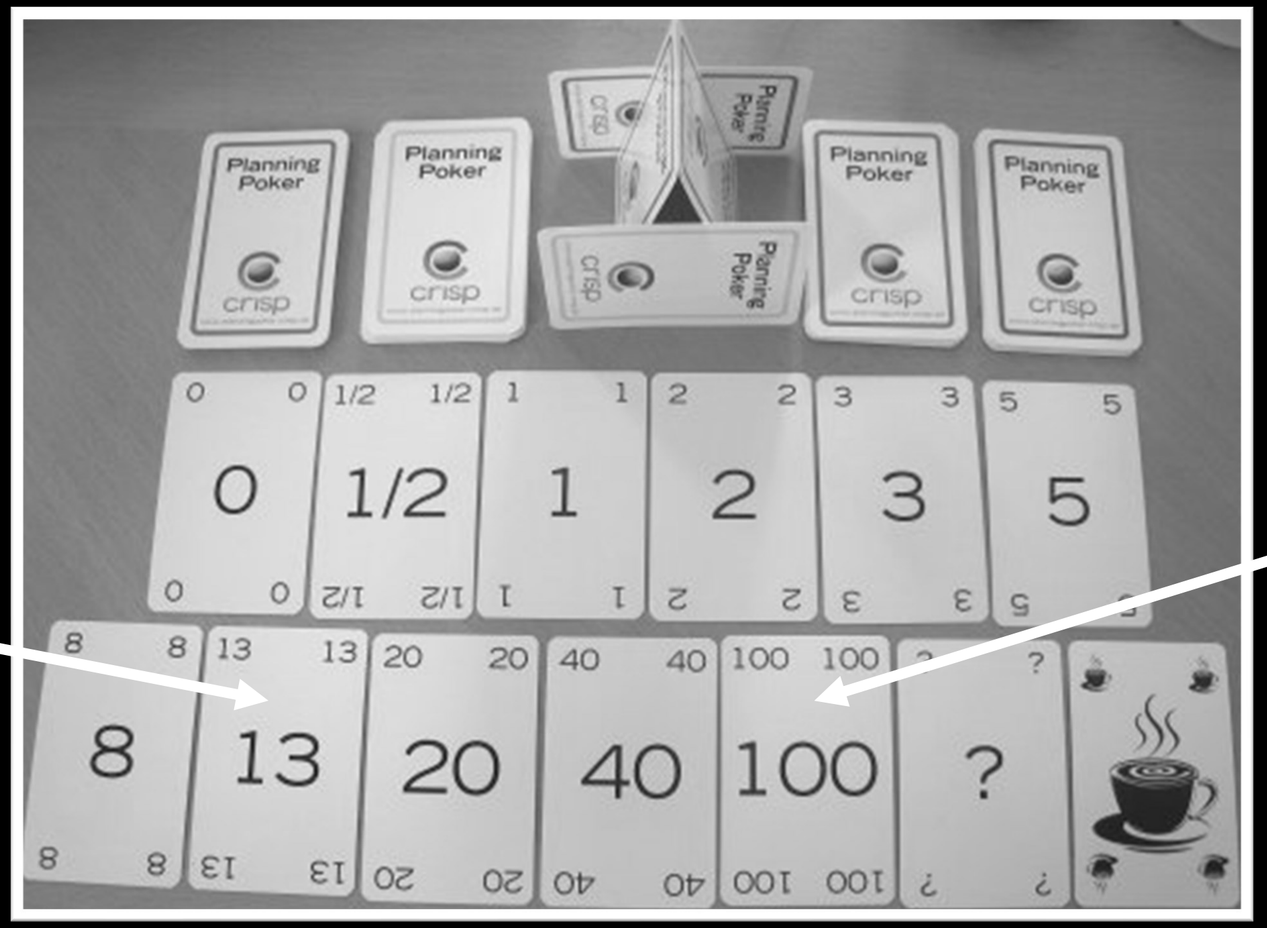
- How the product backlog changes over time
- Planning poker
- Types of Product Backlog Items (PBIs)
- Sprint Backlog
- Definition of Done
- Burndown Chart

Product Backlog

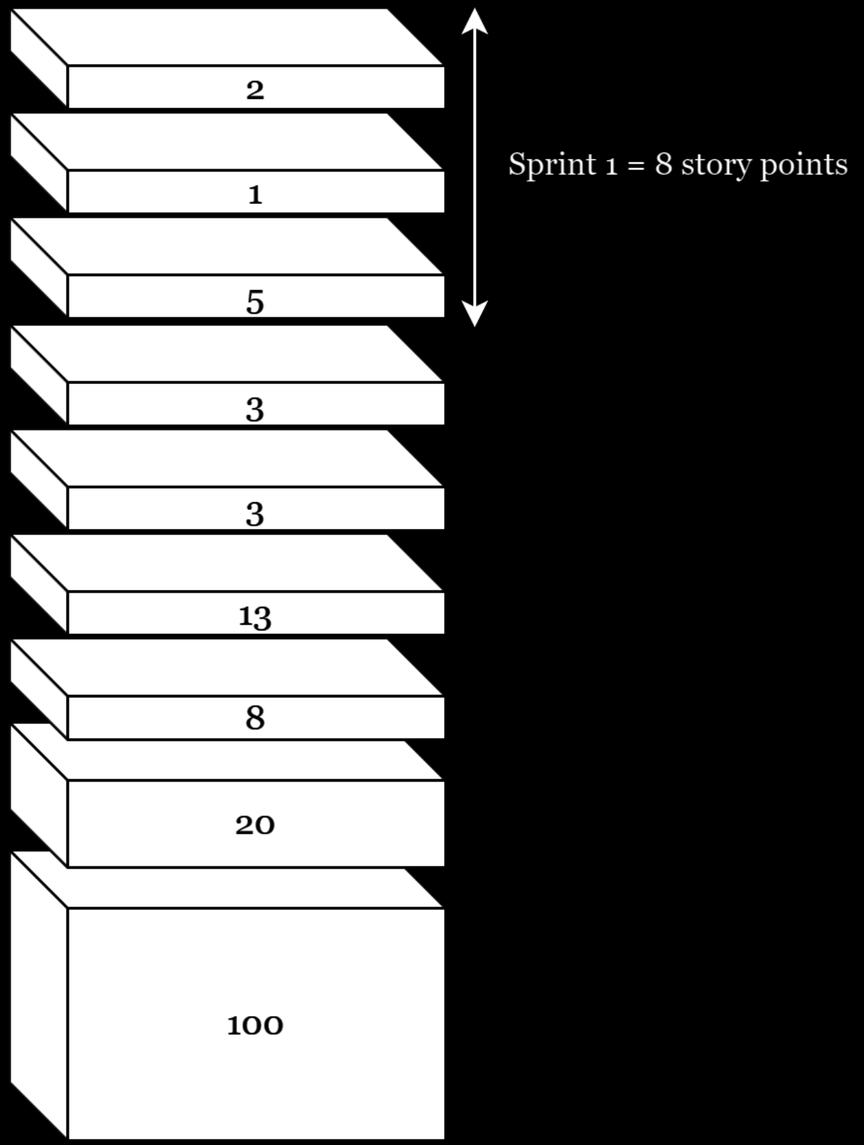

Time
sprintable
Epic

Planning Poker

The Largest sprintable PBI



Epic


2
1
5
3
3
13
8
20
100
Sprint 1 = 8 story points

Product Backlog Item

Types of PBIs

Functional Requirements

Quality Attributes

Defect

Technical Work

Knowledge Acquisition

Functional Requirements

As a customer service representative,
I want to create tickets for a customer issue
so that I can record and manage a customer's request for support

Quality Attributes

Source: Server in a server farm
Stimulus: Server fails
Artifact: Server
Environment: Normal Operation
Response: System informs operator & System recovers from the fault
Response Measure: Time to repair the fault

Defect

Fix defect #256 in the defect-tracking system
so that special characters in search terms
won’t make customer searches crash

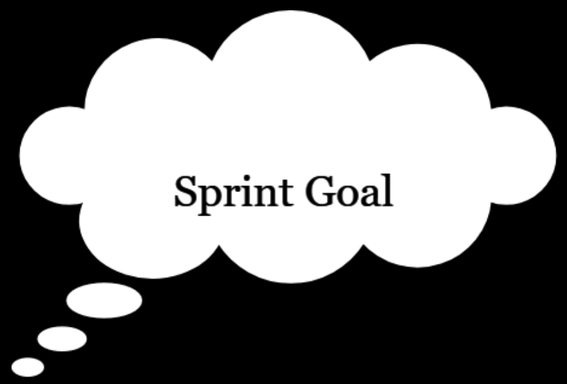
Technical Work

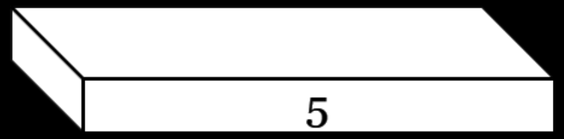
Move to the latest version of the Oracle DBMS

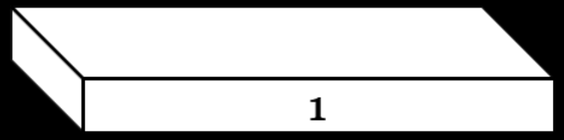
Knowledge Acquisition

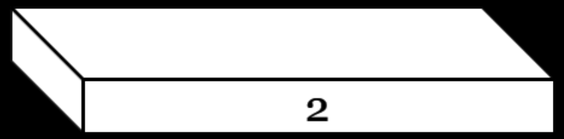
Create a prototype or proof of concept of two architectures and run three tests to determine which would be a better approach for our product

Sprint Backlog









Tasks

Definition of Done

- ✓ The code is complete and according to developers’ standards
- ✓ The code is refactored
- ✓ Meet the acceptance criteria
- ✓ Code checked into the repository
- ✓ Unit tests are written and green
- ✓ Deployed to the development environment
- ✓ Approved by QA

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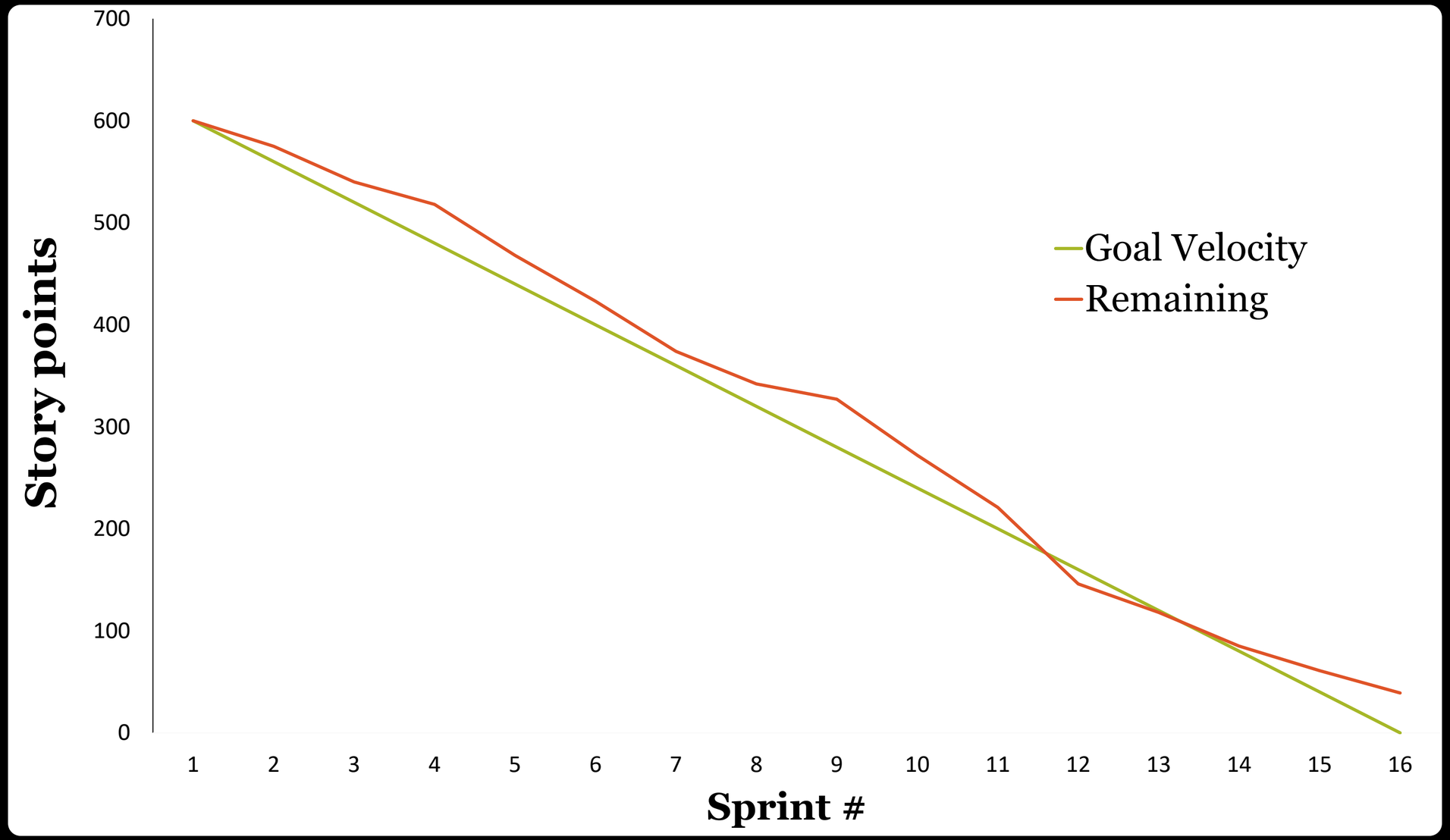
Burndown Chart


700
600
500
400
300
200
100
0
Story points
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Sprint #
Goal Velocity
Remaining

Further Resources

- Essential Scrum: A Practical Guide to the Most Popular Agile Process (pages 124-157)
- Software Architecture in Practice (pages 58-63)