

Scrum

It ain't about football



“the” scrum
guide says

A framework within
which people can
address complex
adaptive problems, while
productively and
creatively delivering
products of the highest
possible value



The roles

Product Owner

Development
team

Scrum master

The roles

Product Owner

A Product Owner owns the Product backlog and writes user stories and acceptance criteria.

A Product Owner is responsible for prioritizing the Product Backlog is prioritized and decides the release date and the content

The roles

Development team

The Development Team builds the product that the Product Owner indicates: the application or website, for example. The Team in Scrum is “cross-functional”

The Development Team includes all the expertise necessary to deliver the potentially shippable product each Sprint. The Development Team is self-organizing, with a very high degree of autonomy and accountability.

The roles

Scrum master

A Scrum Master is a facilitator and Servant Leader who encourages and demands self-organization from the development team. A Scrum Master enables close cooperation across all roles and functions, addresses resource issue and disobedience of scrum practices.

A Scrum Master protects the team from external and internal distractions.



A Sprint...
...is a group effort!

A time-box of one month or less
during which a useable and
working and potentially releasable
product increment is created

Sprint elements

- Sprints consist of the **Sprint Planning**, **Daily Scrums**, the development work, the **Sprint Review (product)**, and the **Sprint Retrospective (process)**.
- During the Sprint:
 - No changes are made that would endanger the Sprint Goal(s);
 - Scope may be re-negotiated between the Product Owner and Development Team as more is learned.
- Each Sprint has a clear goal and a plan of how to get there.

	Votes	User Stories	Status	Points
<input type="checkbox"/>	▲ 0	#18 Create testsuite with matrix builds	Ready	14
<input type="checkbox"/>	▲ 8	#20 Added file copying and processing of images (resizing)	Ready	9
<input type="checkbox"/>	▲ 6	#19 get_actions() does not check for 'delete_selected' in actions	Ready	70
<input type="checkbox"/>	▲ 2	#21 Experimental: modular file types	New	2
<input type="checkbox"/>	▲ 2	#22 Migrate to Python 3 and milk a beautiful cow	New	19
<input type="checkbox"/>	▲ 0	#23 Create the html template	New	6
<input type="checkbox"/>	▲ 0	#24 Create the html template	New	13
<input type="checkbox"/>		#25 Add setting to allow regular users to create folders at the root		

The Product backlog



- is an ordered list of everything that might be needed in the product
- is never complete but evolves in response to changing requirements and other factors
- lists all features, functions, requirements, enhancements, and fixes that constitute the changes to be made to the product in future releases

Sprint backlog



The Sprint Backlog is the set of Product Backlog items selected for the Sprint



The Sprint Backlog is a forecast about what functionality will be delivered and the work needed to deliver that functionality

Sprint planning

Created by the entire Scrum Team

Main question: What can be delivered?

The **Product Backlog** items selected for this Sprint plus the plan for delivering them is called the **Sprint Backlog**

The Sprint Goal is the implementation of the Sprint Backlog.



Daily scrum

- The Daily Scrum is a 15-minute time-boxed event for the Development Team to synchronize activities and create a plan for the next 24 hours.
- During the meeting, the Development Team members explain:
 - What did I do yesterday that helped meet the Sprint Goal?
 - What will I do today to help meet the Sprint Goal?
 - Do I see any impediment that prevents me or the Development Team from meeting the Sprint Goal?

Sprint review (end-of- sprint)

The Product Owner explains what Product Backlog items have been “Done” and what has not been “Done”;

The Team discusses what went well during the Sprint, what problems it ran into, and how those problems were solved;

The Team demonstrates the work that it has “Done”;

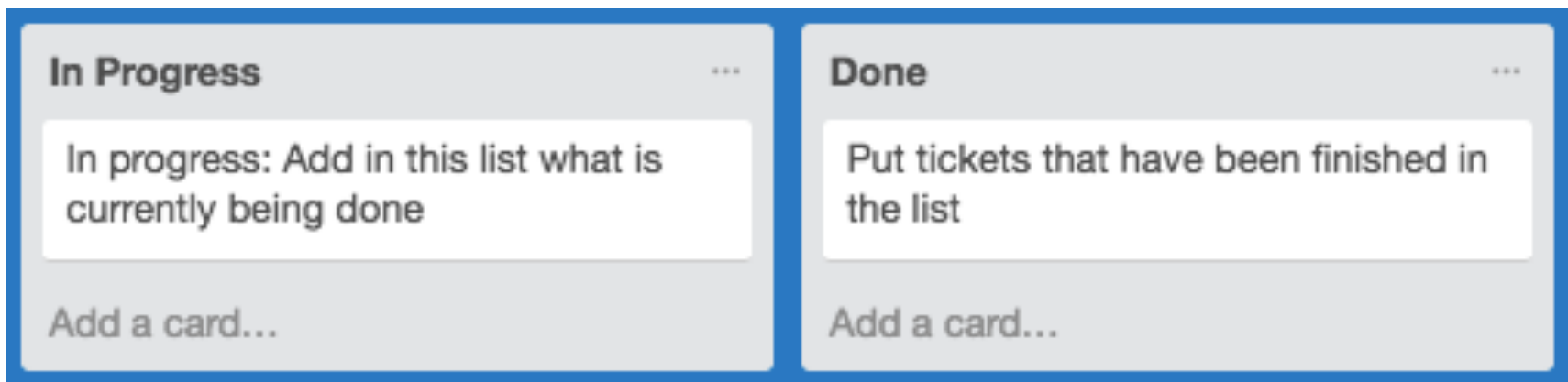
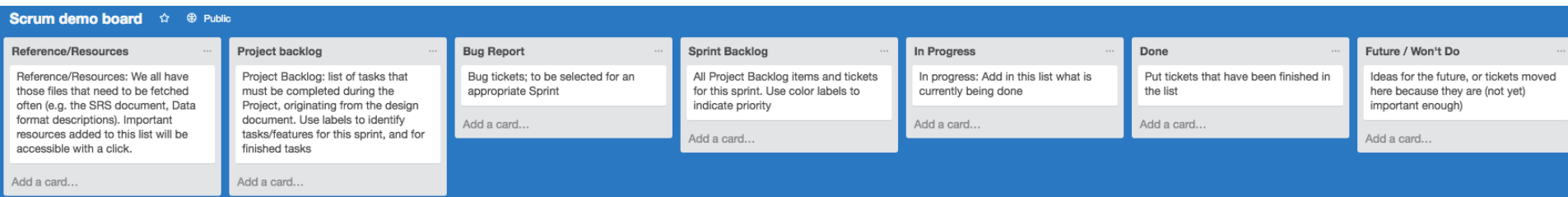
The Product Owner discusses the Product Backlog as it stands;

The next Sprint goals are presented

User story

Title:	Priority:	Estimate:
User Story: As a [description of user], I want [functionality] so that [benefit].	As a cyclist, I want to follow my friends' cycling routes so that I can join them on rides.	
Acceptance Criteria: Given [how things begin] When [action taken] Then [outcome of taking action]	Given that the cyclist wants to ride with friends, when they check the map view, then the routes of other cyclists in their social network should be visible	

Example Scrum board (in Teams)



Example at
<https://trello.com/b/w6eA9Ykt/scrum-demo-board>

