AGILE SCRUM

POWERING POTENTIAL

OBJECTIVES

What Agile Scrum is

What the product backlog

Definition of Ready (DoR)

What is the sprint backlog

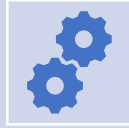Definition of Done (DoD)

AGILE SCRUM

The Scrum framework gets its name from Rugby
In Rugby, the individual players work as a single unit to move.

- Scrum is repetitive and will produce an addition of code at the end of every sprint.

- The code will add functionality to what was there previously, therefore adding value.

- This additional code should aim to be 'shippable'; it shouldn't be half-broken, but ready to distribute.
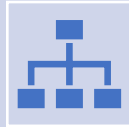
http://www.scrumguides.org

PRODUCT BACKLOG

The Product Backlog is a list of all features, enhancements and fixes to be made to the product in future releases.

Items include a description, order, estimate, and value.

The **product owner** is responsible for the product backlog, including its content, availability, and ordering.

The development team will collaborate with the product owner, adding details to the backlog items where necessary

DEFINITION OF READY (DOR)

Definition of Ready (DoR) defines what a product backlog item needs before it can go into the sprint backlog.

A checklist of items could include:

Technical details that have been discussed on the item and agreed

Assigning a priority

Acceptance Criteria

PRODUCT BACKLOG ITEM (PBI)

1. PBI Must have a **clear description**. A clear user story

2. Offer a clear **Business value** properly articulated and agreed

3. **Acceptance criteria** is clear and **testable**

4. Must have the **staff** to complete it

5. Its **dependencies** on other systems/things is identified. The team must make sure there are no dependencies blocking the PBI from being completed

6. And above all, the Product Owner has **approved** the user story

DEFINITION OF DONE (DOD)

Definition of done (DoD)
defines what is needed before it can be regarded as complete.
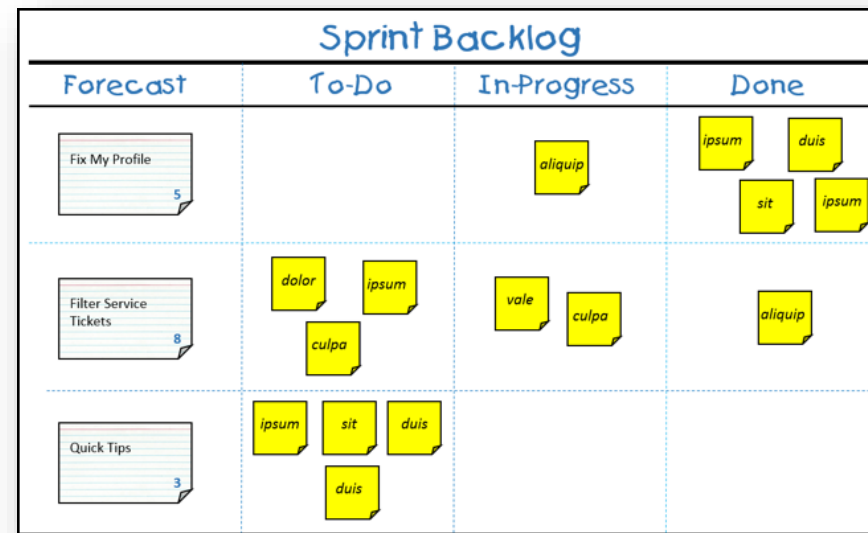Can be applied to a feature, a Sprint or a release.

A checklist of items which could be included for a feature could include:

- Unit testing written and passed

- Documentation updated

- Peer code review completed

SPRINT BACKLOG

- The sprint backlog is the set of product backlog items selected for inclusion in the sprint.

- This items will meet the Definition of Done (DoD)

- It shows all the work that the development team think necessary to meet the sprint goal.

- As items are worked on, they move through the workflow
  - The workflow usually has at least 3 stages (To Do, In-progress and Done)
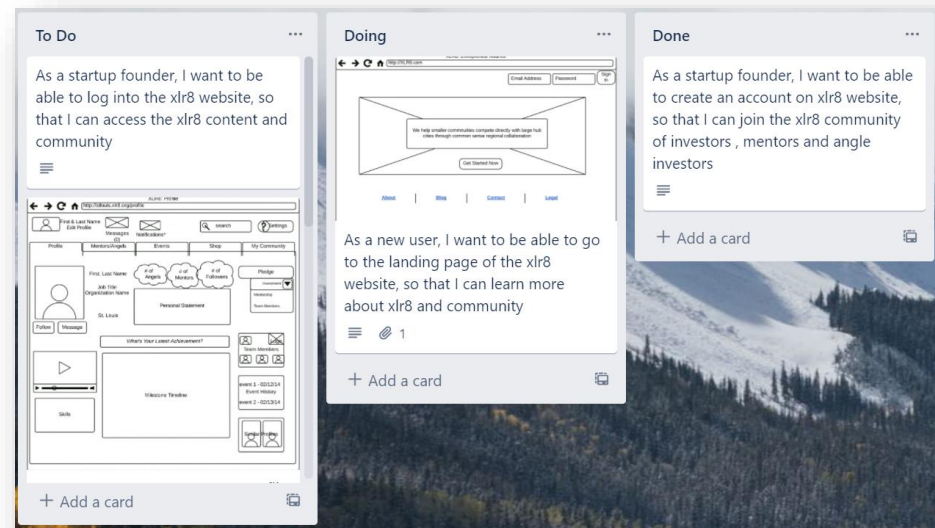
SPRINT BACKLOG

A sprint backlog is usually presented in a Kanban board.

As tasks are worked, the cards move from one end of the board to the other. This movement helps the team to see the project's progress.

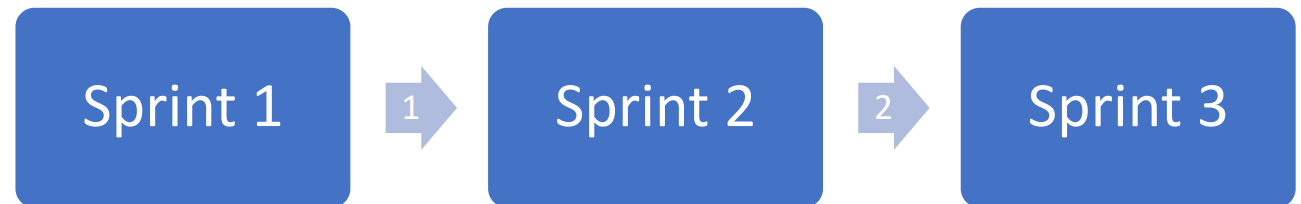[Trello](#) is a common project tracking tool.

WHAT IS A SPRINT?

A sprint is a **time-boxed** event in which development work takes place.

The aim of a sprint is to produce new shippable code that can be used in production.

A sprint can be between 1 to 4 weeks long

Sprints will run one after another until the product no longer needs development.

Sprint 1 → Sprint 2 → Sprint 3

REVIEW

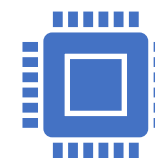**You now can**

describe what Agile Scrum is

Describe a product backlog

Explain (DoR)

Descibe the sprint backlog

Explain (DoD)

LAB

Complete Lab2

Duration 20 minutes