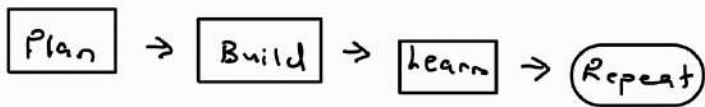


## Scrum

- most popular methodology for Agile.



## Entities / terminologies

### (1) Product Owner.

- Work with stakeholders / clients
- understand vision / goals of project.
- responsible for overall project & goals
- converts customer requirements into prioritized list.
- participate actively in sprint planning / sprint review
- determines release plan & communicate with customer / management

### (2) Product Backlog

- Works that needs to be done, sorted with priority
  - ↳ features that needs implementation
  - ↳ changes to existing features
- items on product backlog may not necessary be completed (subjected to change)
- prioritized list of all work needed to be completed

### (3) Sprints

- Timebox of between 2 weeks to 1 month.
- subset of work, taken from product backlog to be worked on.
- All sprints should be consistent
  - ↳ duration
  - ↳ work done (output)

### (4) Sprint Planning

- Meeting right at beginning of sprint
- Determine which items from product backlog to be worked on.



Part 1: Product owner & team agrees on items to be worked on

Part 2: Team determines how they will actually deliver items.

\* Items in sprint backlog cannot be modified.

## 5 Events

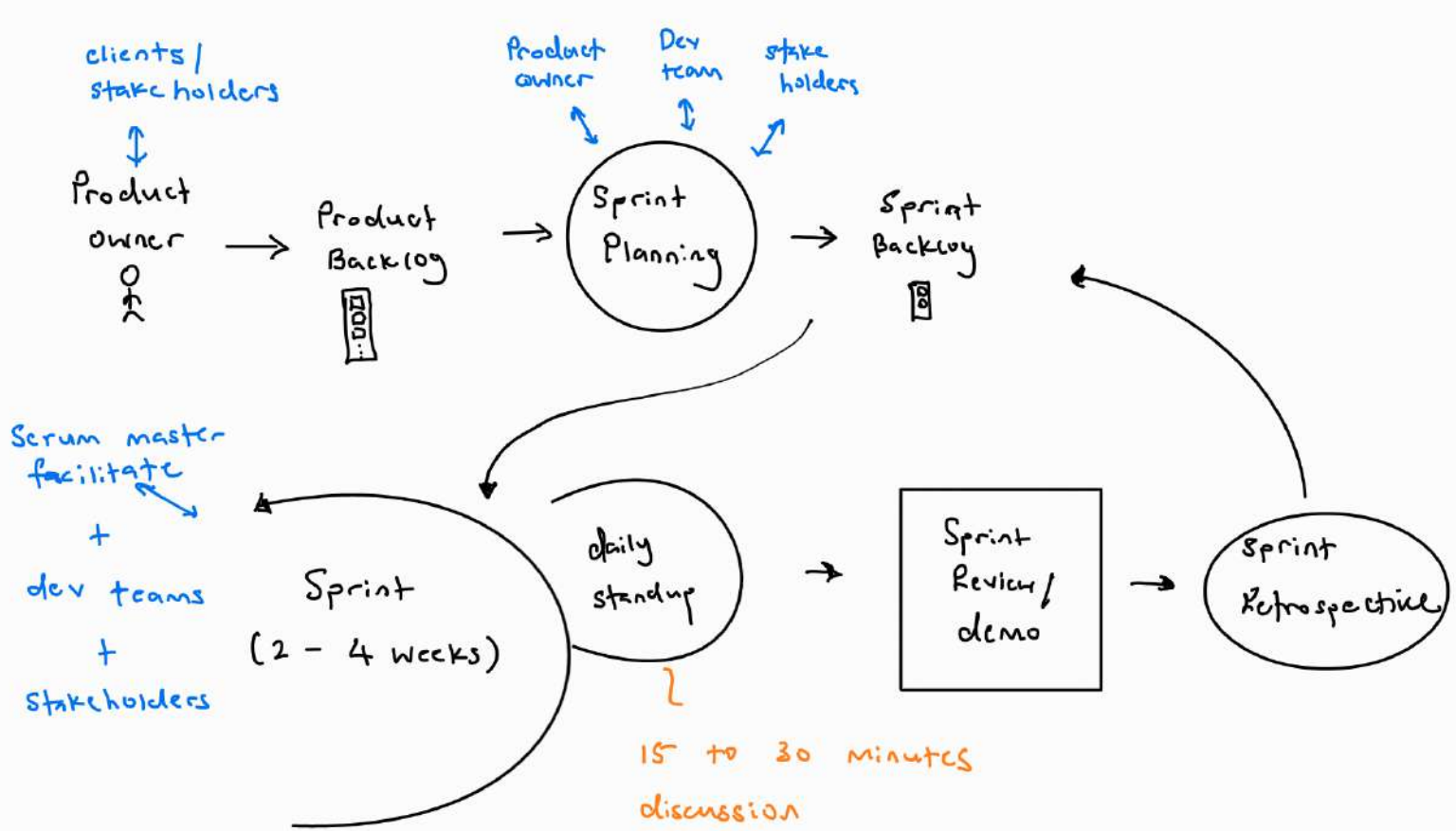
sprint planning  
sprint + daily standup  
sprint review (demo)  
sprint retrospective

## 3 Roles

- Product owner, scrum master, dev

## 4 Artifacts

product backlog	product increment
sprint backlog	definition of done



- Not for status update

Agenda:

- what have you completed
- what do you plan to complete
- what is getting in your way

## 5. Scrum master

- In charge of sprints. (facilitator of sprint)
- Understand work done & optimize delivery flow
- Remove Impediments of dev team.
- Defend team if any change to scope / requirements of current sprint.

## 6 Dev team

- Actually working on sprint backlog.
- each dev should be full stacked

## 7. Sprint Review

- Demo product to clients
- clients try out new product at end of sprint.

## 8. Sprint Retrospective

- Team + product owner reflect on sprint.
- adjustment needed, included in next sprint backlog

Agenda:

- what went well
- what didn't
- what to improve.