what is agile

Agile is a way to organize work into manageable chunks, to be completed in 2-4 week sprints, by cross-functional teams.

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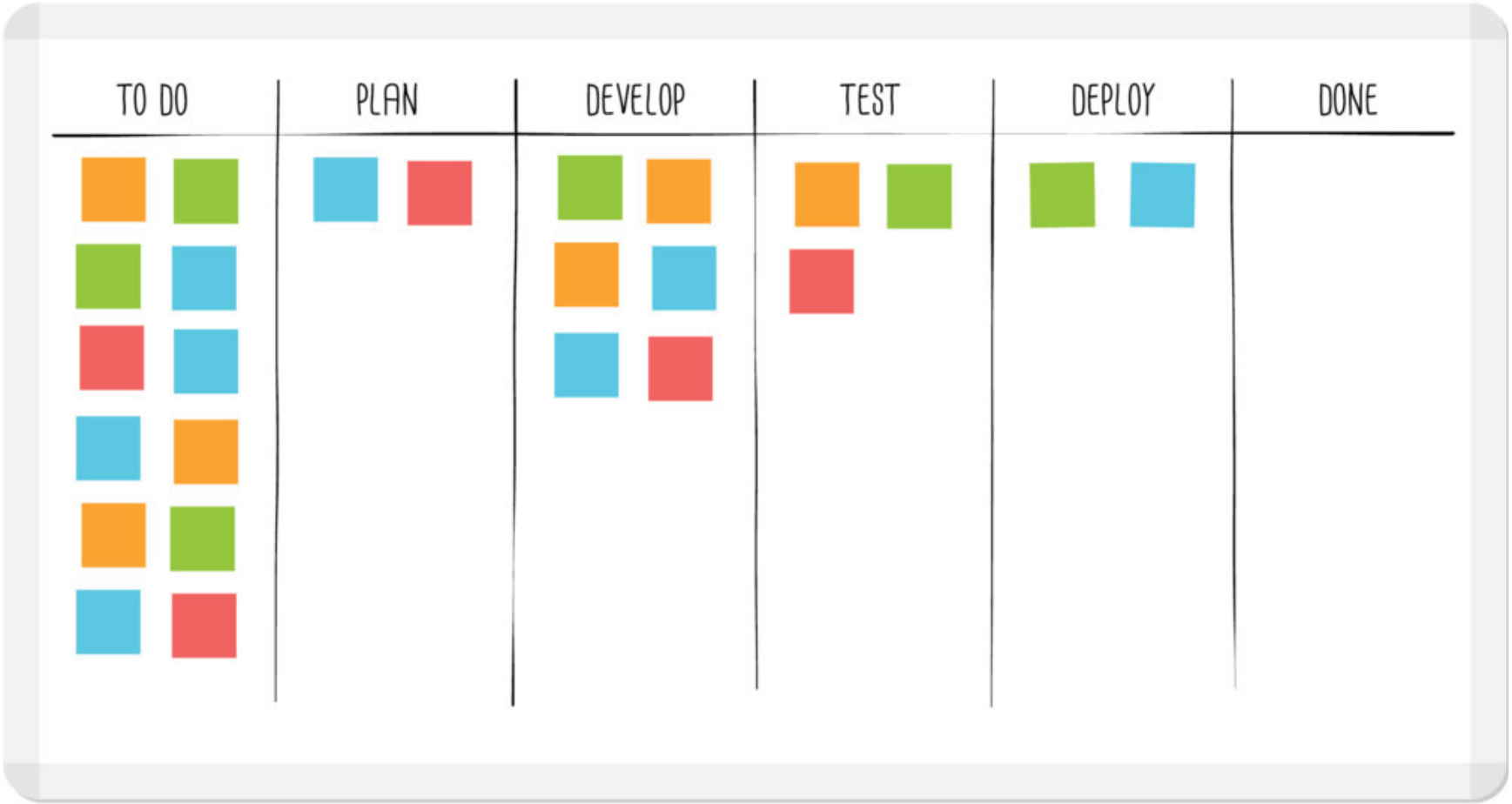

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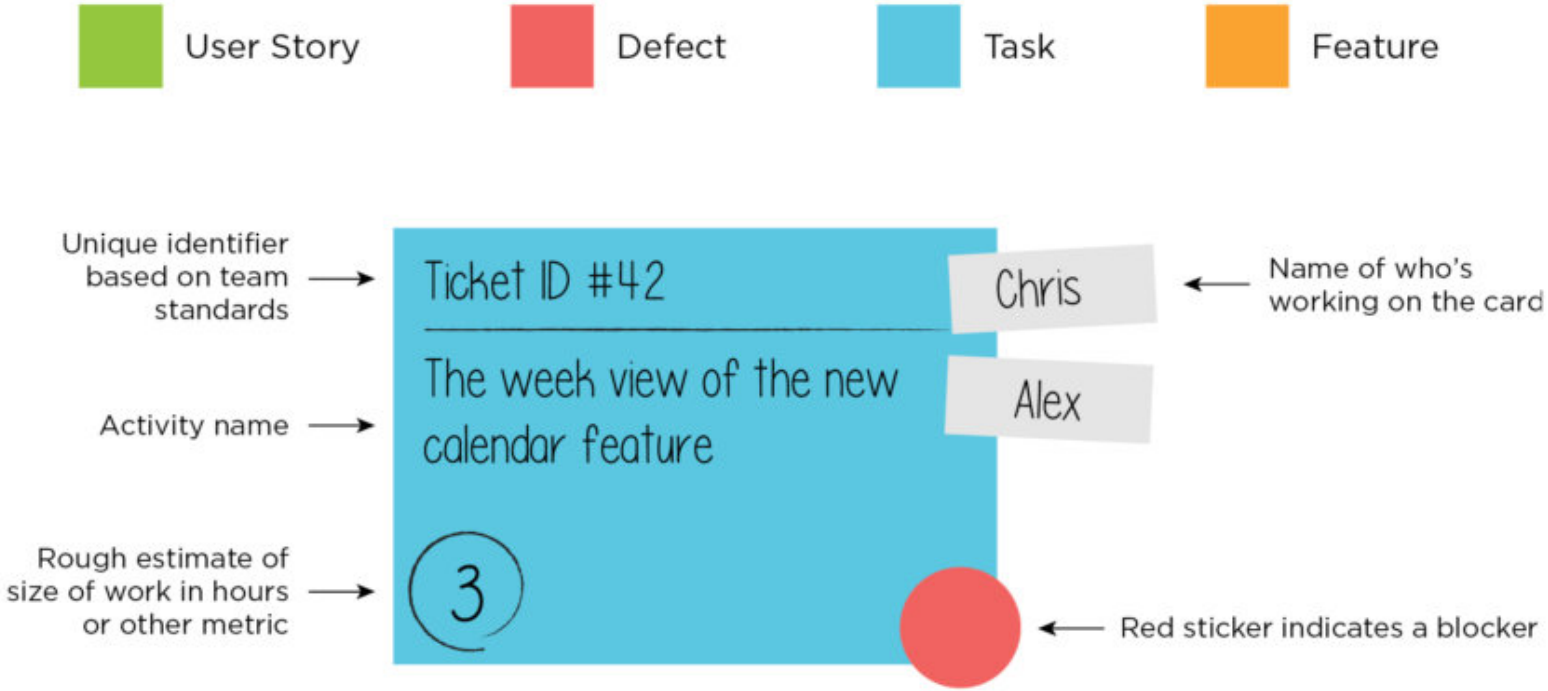

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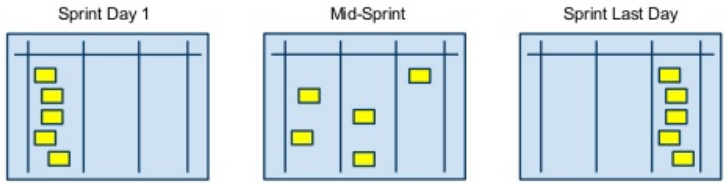
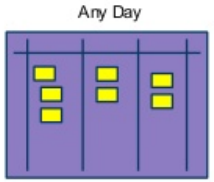
board and limits

Scrum



Kanban



scrum limits by time

- limits in-progress tasks by sprint
- cannot add new items once sprint has started
- board reset after each sprint

kanban is continuous

- limits concurrent in-progress tasks
- add new items continuously, whenever there is room in the queue
- board continuously used

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roles and planning

scrum has defined roles

- product manager to define, plan, prioritize, and communicate
- scrum manager to oversee the process
- cross-functional team to do the work

scrum structures planning

- day 1: sprint planning, backlog grooming
- day 5: mid-sprint board review
- day 9: freeze incomplete tasks
- day 10: code release, retrospective, playbacks

kanban is looser

- team self-manages
- evolves into someone taking quasi-lead on kanban
- team can be specialists or generalists
- will likely share the board with other teams (for insight on workflows)

kanban is continuous

- demand planning: backlog is empty, meet to figure out what to put in next
- iteration planning: review/prioritize backlog after a release

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estimation, metrics, and change agent

estimation

- scrum requires assessing 'points' for each story, that get added up to max value (the team's cadence)
- kanban treats points as optional, since work continues independent of sprint

metrics

- scrum uses a burndown chart to show how much work remains
  kanban uses cumulative flow diagrams to show total items in progress against completion time

change agent

- scrum uses commitment within set time period
- kanban uses work-in-progress at any point

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