

# SCRUM

IN SOFTWARE ENGINEERING

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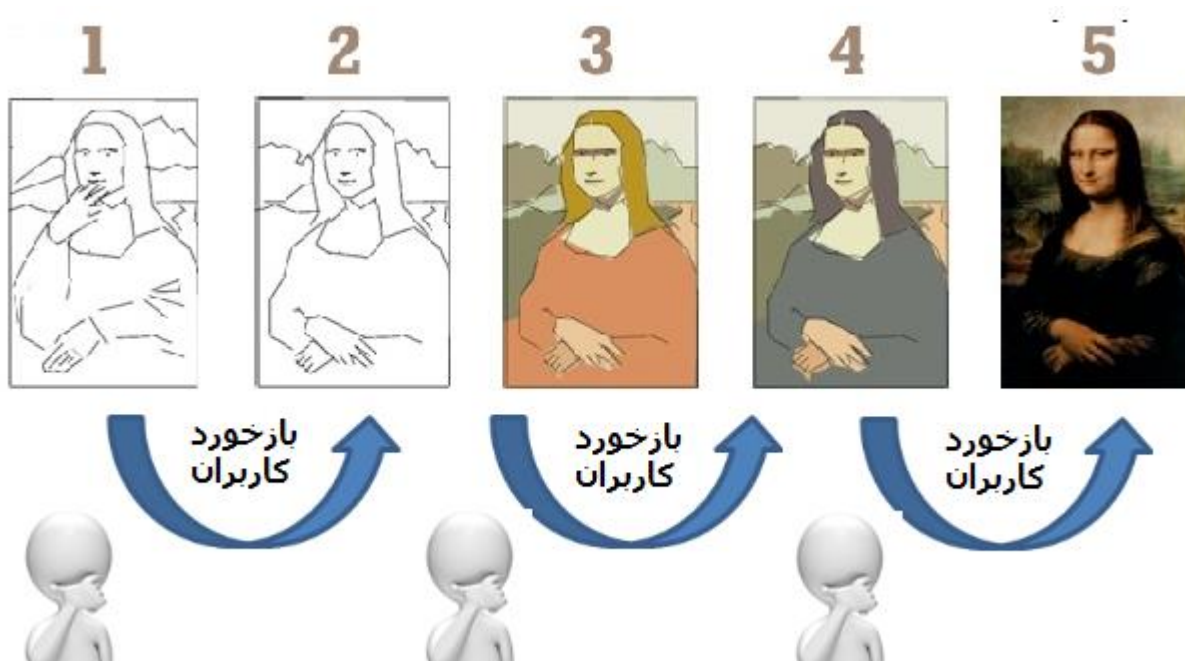


# THE TERM OF SCRUM

- The software development term scrum was first used in a 1986 paper by Hirotaka Takeuchi and Ikujiro Nonaka.
- in the early 1990s, Ken Schwaber used what would become scrum at his company, Advanced Development Methods; while Jeff Sutherland, John Scumniotales and Jeff McKenna developed a similar approach at Easel Corporation, referring to it using the single word Scrum.

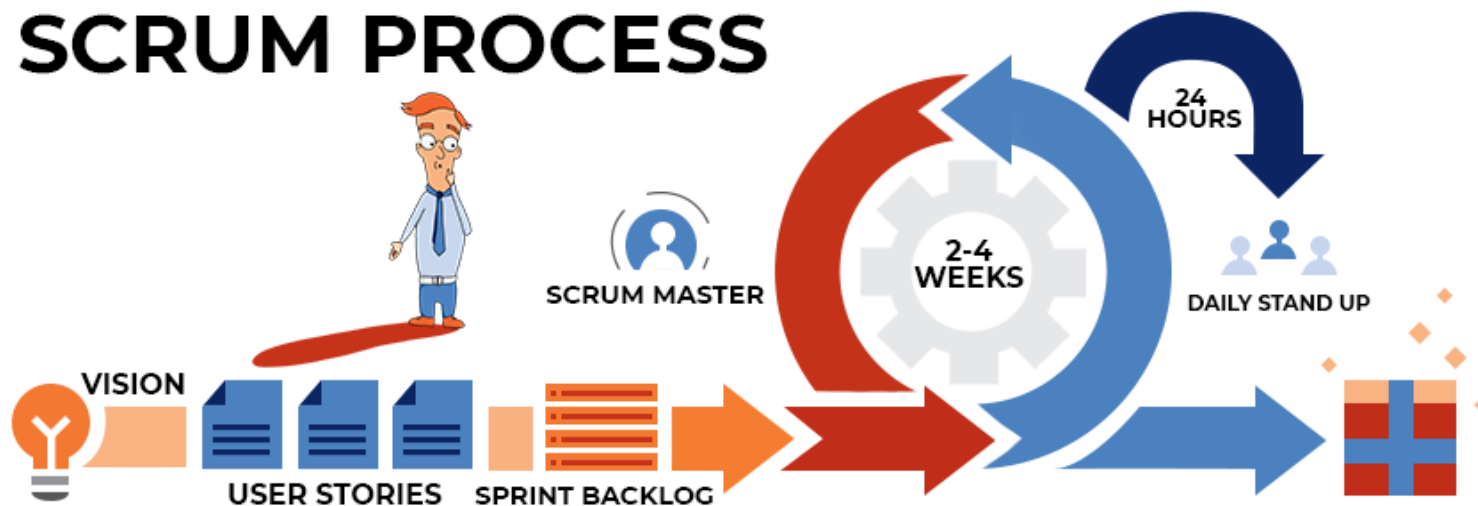
# WHAT IS SCRUM?

- Scrum is a lightweight, iterative, and incremental framework for developing and delivering **complex** products.

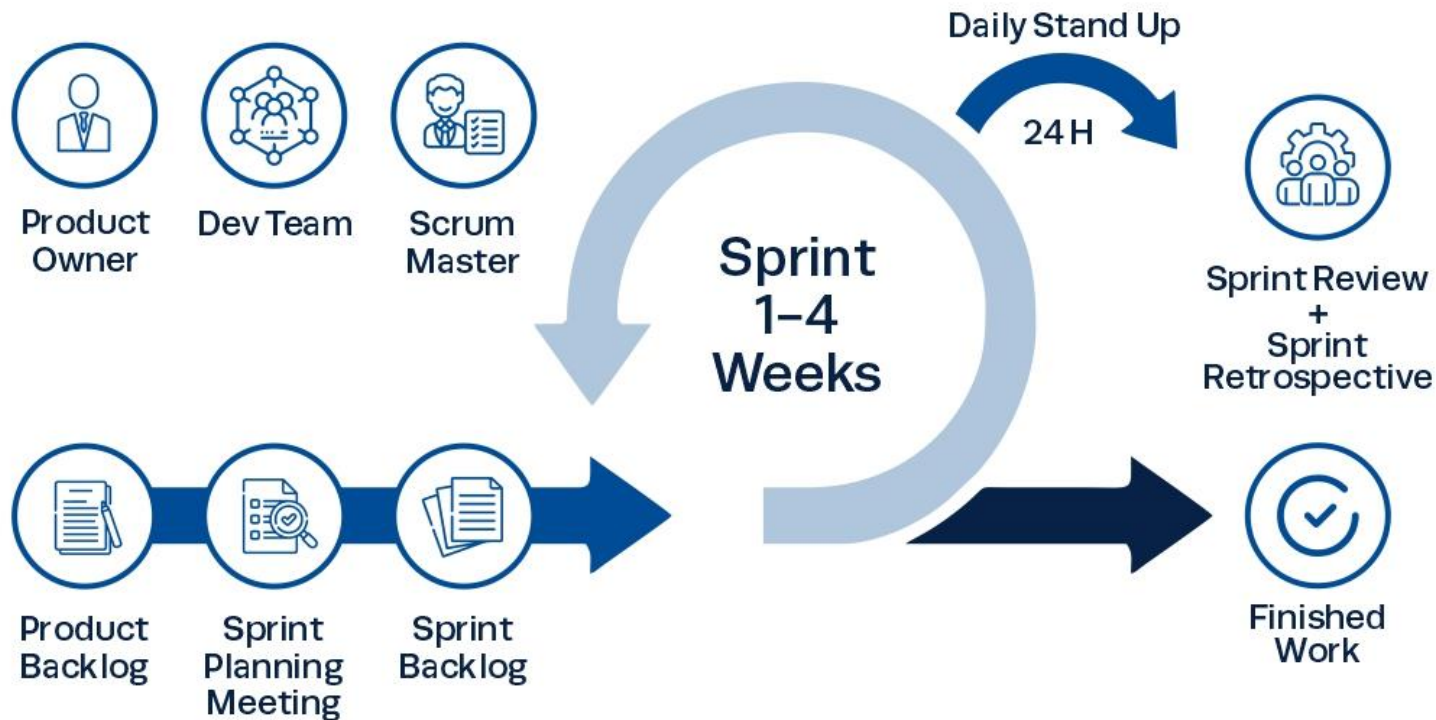


# SPRINT

- A sprint is a short period when a scrum team works to complete a set amount of work.
- Scrum projects make progress in a series of “sprints”



# SCRUM FRAMEWORK



## Roles

Product owner

ScrumMaster

Dev Team

## Events

Sprint planning

Sprint review

Sprint retrospective

Daily scrum meeting

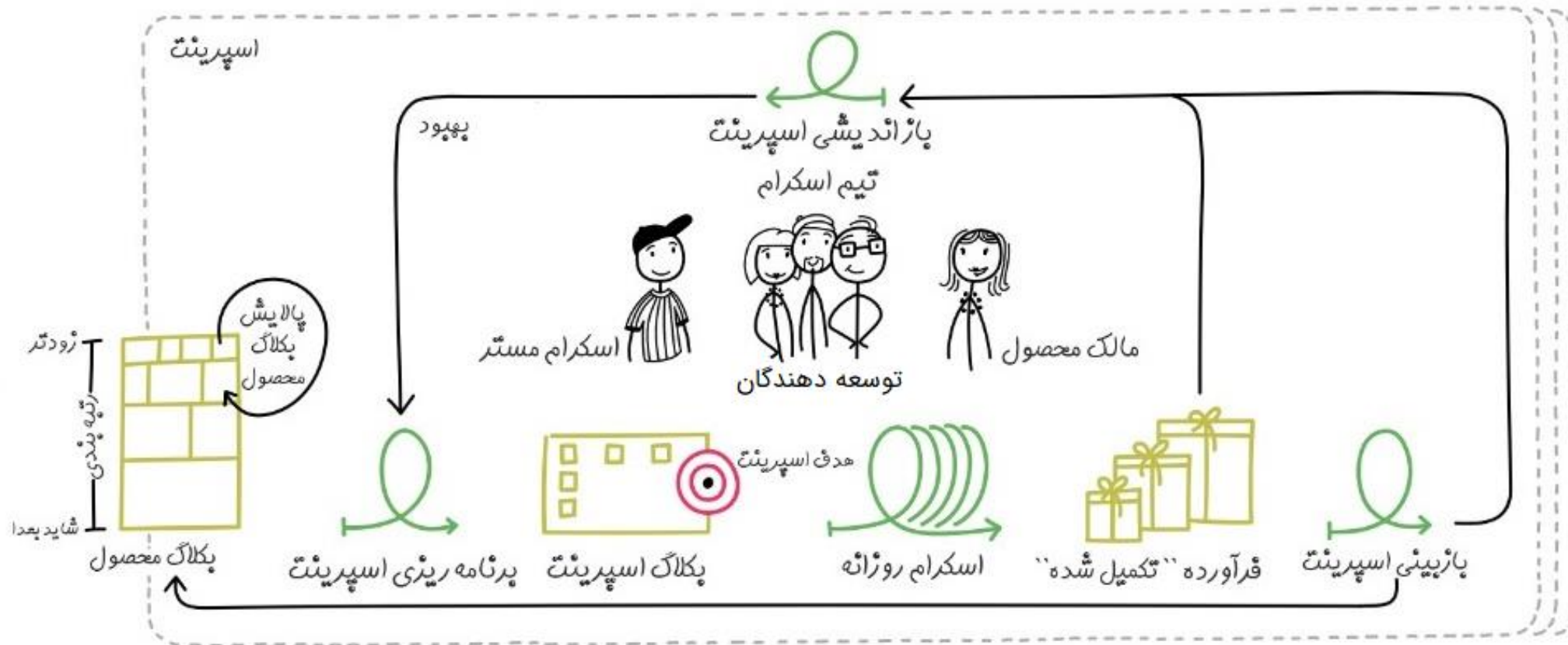
## Artifacts

Product backlog

Sprint backlog

Burndown charts

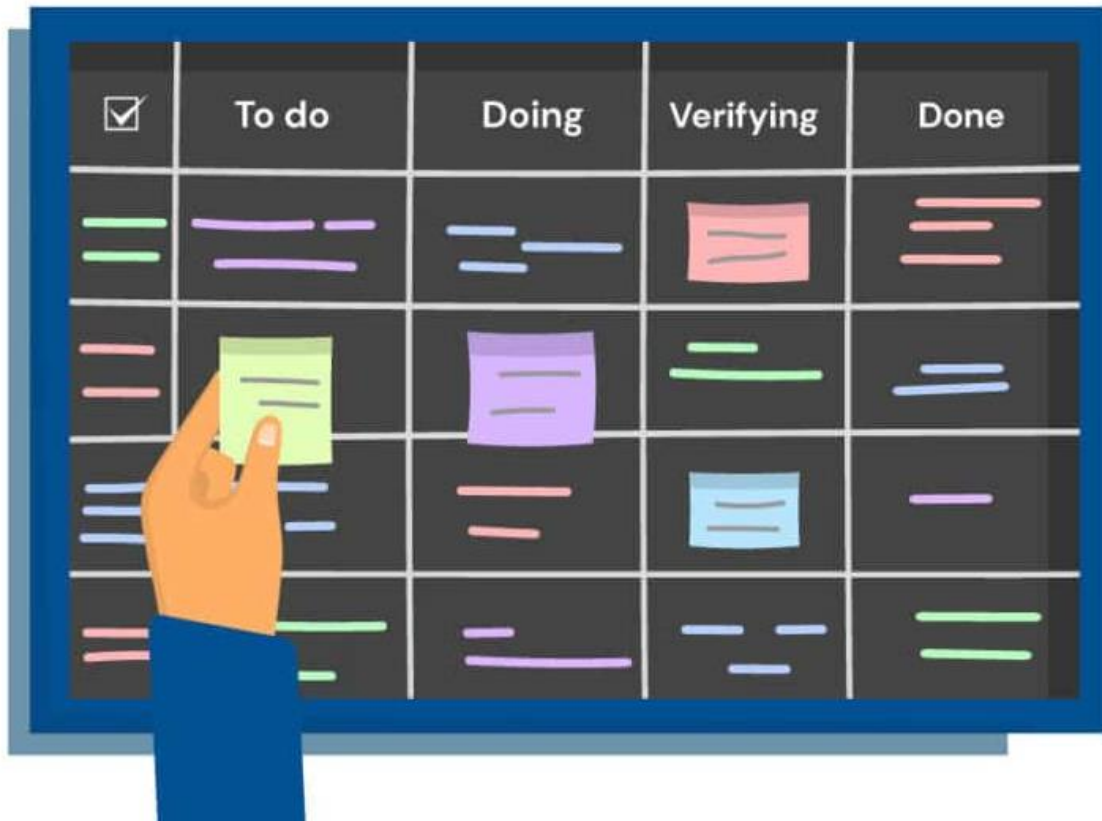
# SCRUM FRAMEWORK





# SPRINT BACKLOG & PRODUCT BACKLOG

## Sprint Backlog



# SCRUM DEV TEAM

- Self-Organize
- Cross-Functional

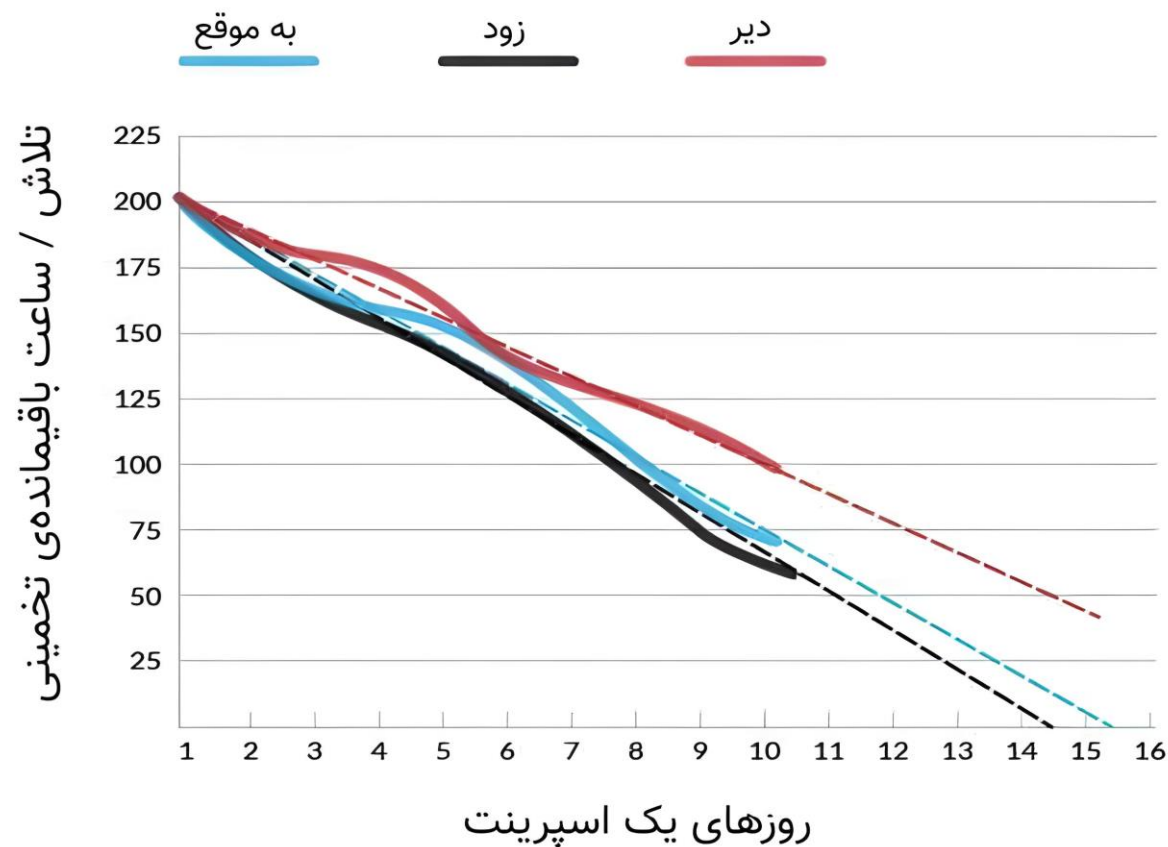
اندازه مطلوب تیم توسعه آنقدر کوچک است که چالاک باقی بماند و آنقدر بزرگ است تا بتواند کار قابل توجهی را در طول اسپرینت به سرانجام برساند.





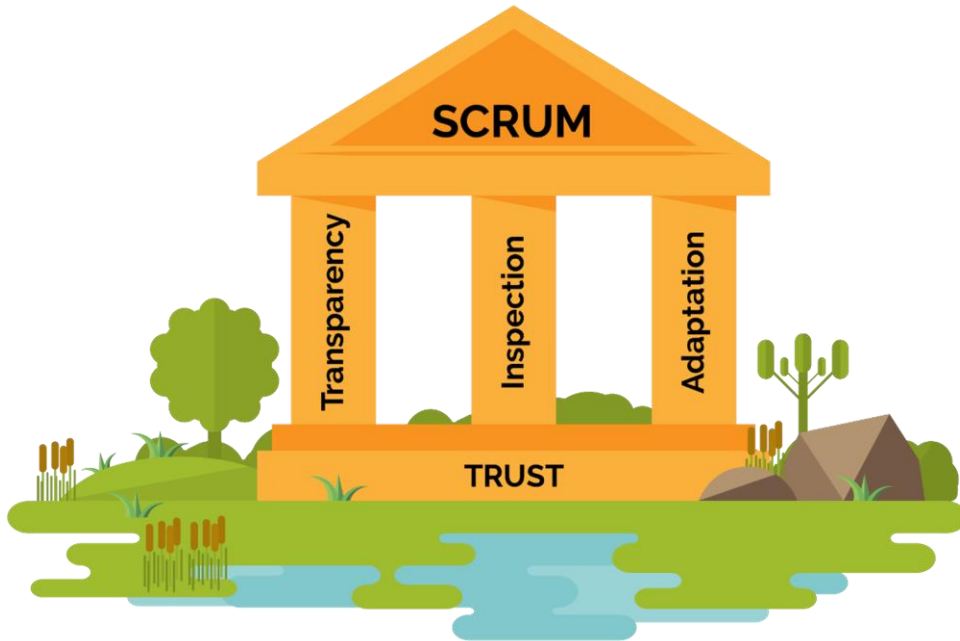
# BURNDOWN

این نمودار نشان دهنده میزان کاری است که تصور می شود در backlog باقی می ماند.



# SCRUM PILLARS

- شفافیت یا Transparency ایجاد دید روشن برای افرادی که در به وجود آمدن نتیجه مسئول هستند.
- بازرسی یا Inspection بررسی مستمر اینکه در حال انجام چه کاری با توجه به اهداف هستید.
- انطباق یا Adaptation تغییر فرآیندهای تیم به منظور کاهش خطاها.



## COURAGE

Scrum Team members have courage to do the right thing and work on tough problems



## FOCUS

Everyone focuses on the work of the Sprint and the goals of the Scrum Team



## COMMITMENT

People personally commit to achieving the goals of the Scrum Team



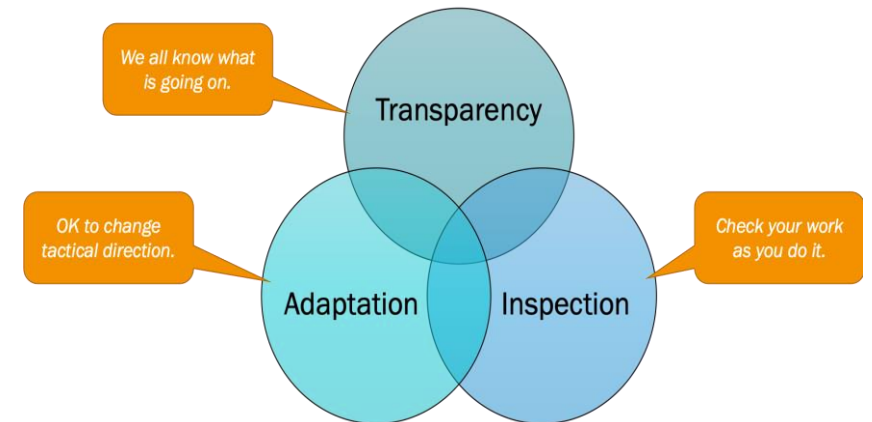
## RESPECT

Scrum Team members respect each other to be capable, independent people

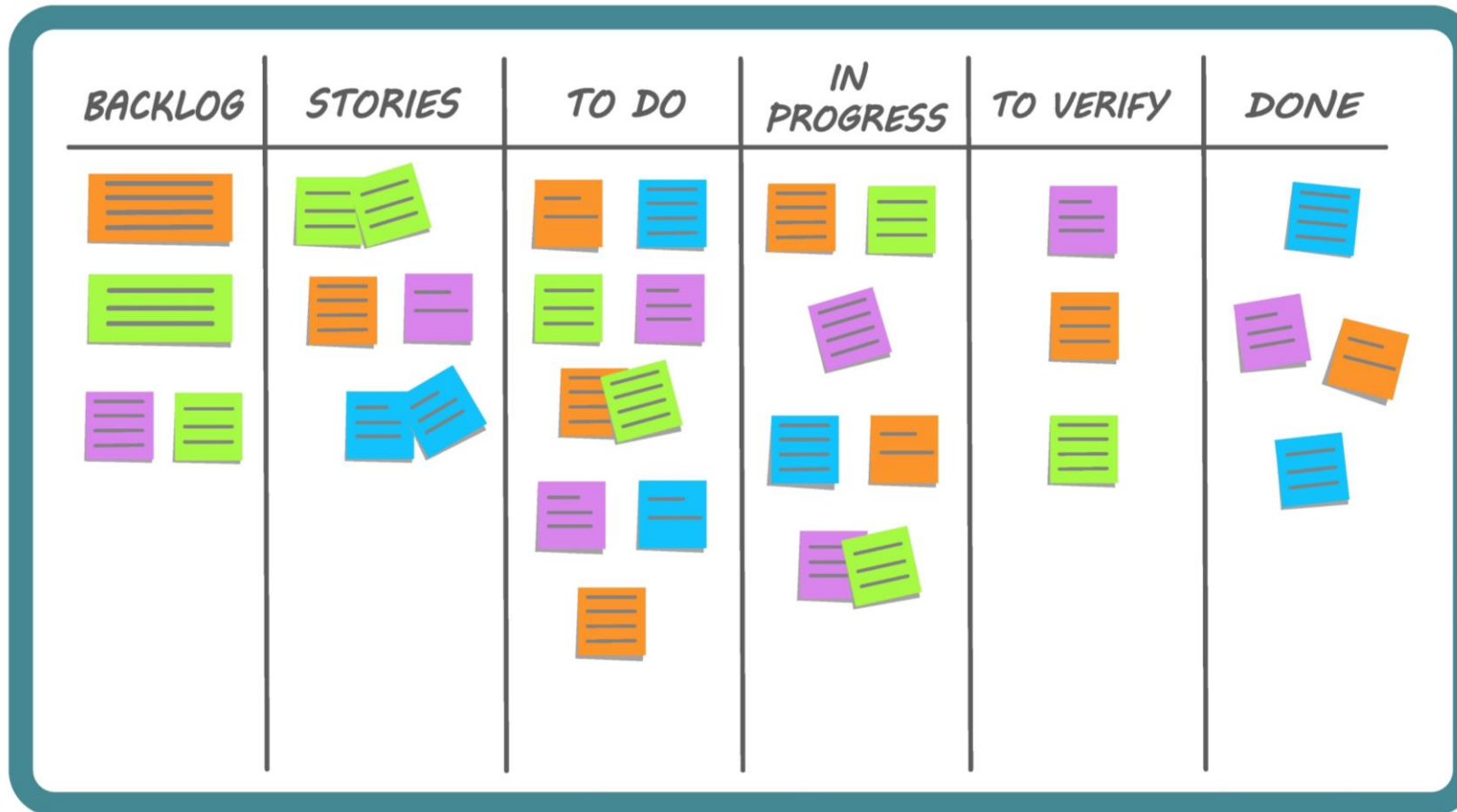


## OPENNESS

The Scrum Team and its stakeholders agree to be open about all the work and the challenges with performing the work



# SCRUM BOARD



# JIRA


Projects / Beyond Gravity


## Board


⚡ ⌚ 4 days remaining **Complete sprint** ⋮

🔍  +3 Epic ▾ GROUP BY Choices ▾


TO DO 12


Implement feedback collector  
🟢 NUC-205 9 ⚡ 


Bump version for new API for billing  
🔴 NUC-206 3 = 


Add NPS feedback to wallboard  
🔵 NUC-208 1 ⚡ 

IN PROGRESS 4


Update T&C copy with v1.9 from the writers guild in all products that have cross country compliance  
🔴 NUC-213 🔗 1 ⚡ 

Tech spike on new stripe integration with paypal  
🔵 NUC-215 3 ⚡ 


Refactor stripe verification key validator to a single call to avoid timing out on slow connections  
🟢 NUC-216 3 ⚡ 


Change phone number field type to 'phone'  
🔵 NUC-217 🔗 1 ⚡ 


IN REVIEW 4


Multi-dest search UI web  
🟢 NUC-338 5 ⚡ 

DONE 4

Quick booking for accomodations - web  
🟢 NUC-336 ✓ 🔗 4 ⚡ 

Adapt web app no new payments provider  
🔴 NUC-346 ✓ 🔗 3 ⚡ 

Fluid booking on tablets  
🟢 NUC-343 ✓ 5 = 

Shoping cart purchasing error - quick fix required.  
🔴 NUC-354 ✓ 1 ⚡ 

**THE END**