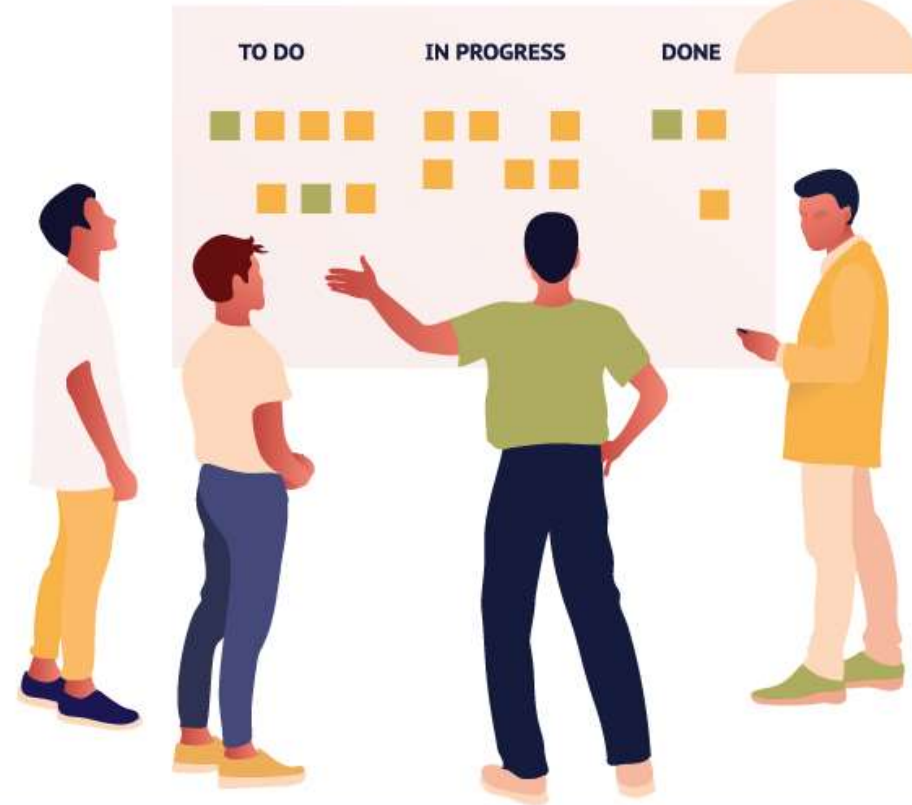


# What Is Scrum



# Topics for Today's Discussion

01

Introduction to Agile Methodology

02

What is Scrum?

03

Benefits Of Scrum

04

Scrum Roles, Artifacts and Events

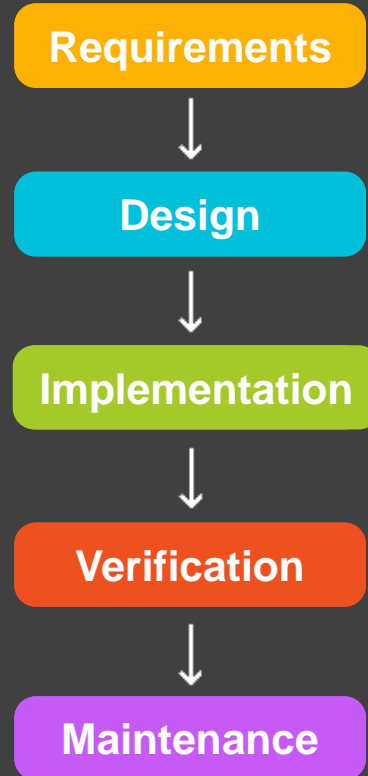
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How Scrum Works?

One of the first decisions that organizations face for each of their project implementation is “Which development methodology should they use?”

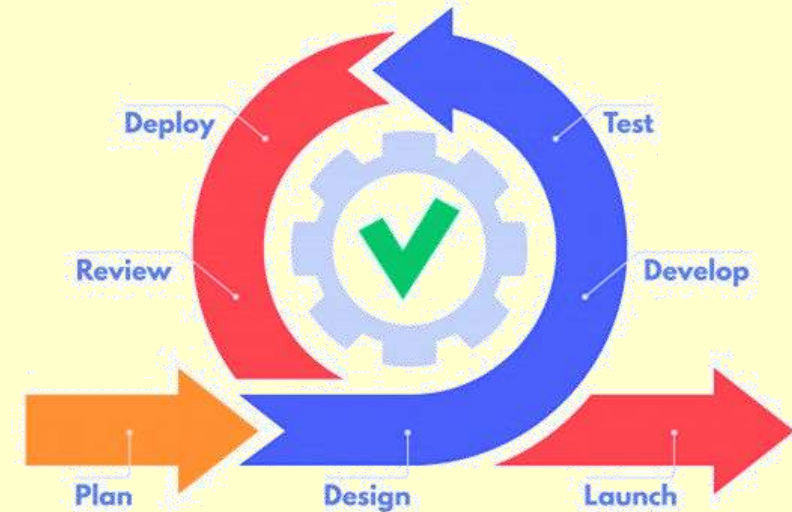


## Waterfall Methodology



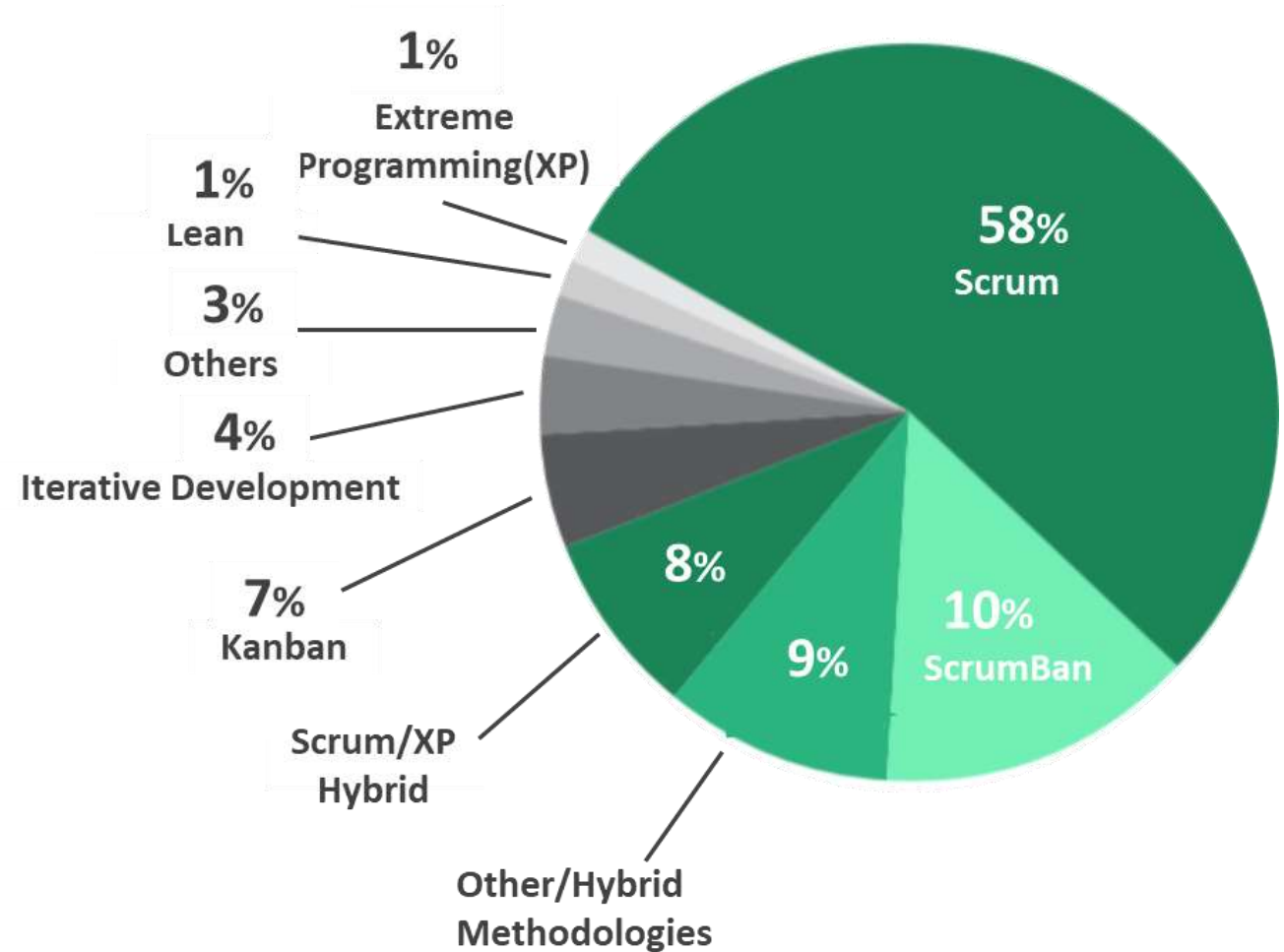
**Waterfall model** is a linear approach to software development. It mainly aims for a successful outcome as a result of meticulous planning at each phase in the process.

## Agile Methodology

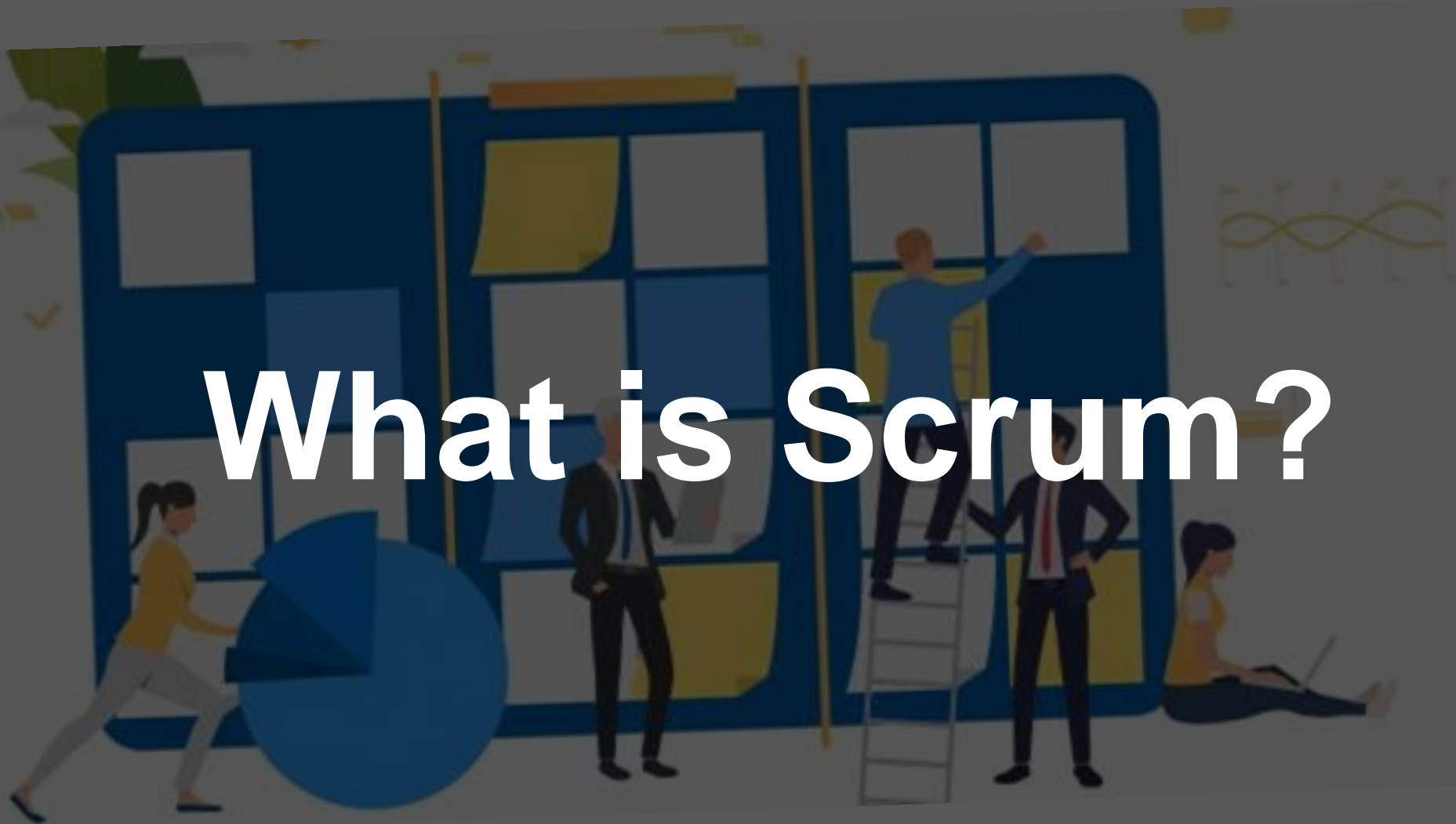


**Agile** is an iterative, adaptive, and team-based approach. It emphasizes on rapid delivery of an application in complete functional components.

# Agile Frameworks and Methodologies



# What is Scrum?



According to the Scrum Guide, “**Scrum** is an Agile framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value.”

- Lightweight
- Simple to understand
- Difficult to master



The **term ‘Scrum’** was **first introduced** by professors Hirotaka Takeuchi and Ikujiro Nonaka in their article “*The New New Product Development Game*” at *Harvard Business Review*



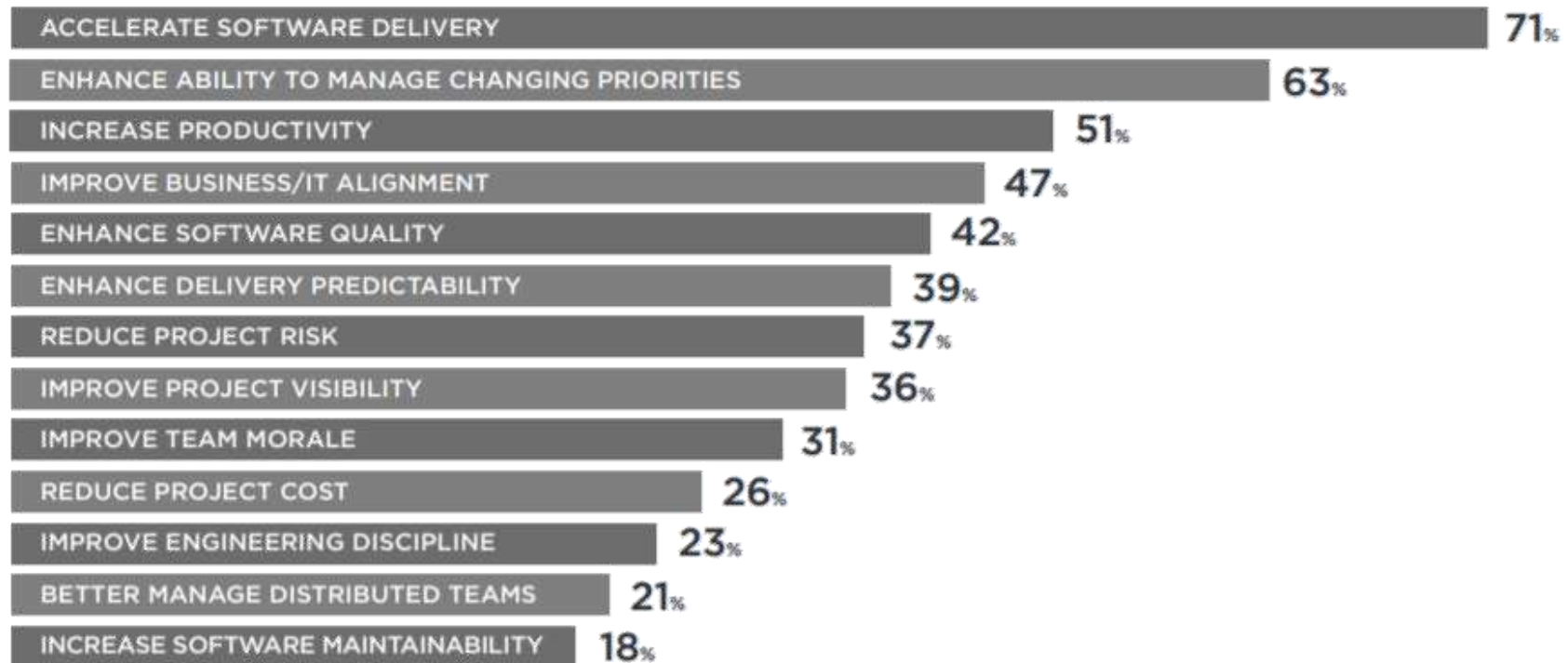
Jeff Sutherland **implemented first Scrum project** at the Easel Corporation



Ken Schwaber and Jeff Sutherland co-present a paper called “**The Scrum Development Process**” at the OOPSLA Conference

# Benefits of Scrum

Scrum was initially developed for managing and developing products. Currently, it is being used extensively worldwide across every industry in every business.





# Scrum Roles, Artifacts, and Events



# Scrum Roles

The Scrum Team consist Product Owner, Scrum Master, and Development Team. Scrum Teams are self-organizing and cross-functional.



## Product Owner

Responsible for maximizing the value of the product resulting from work of the Team



## Scrum Master

Responsible for helping everyone in the team understand Scrum theory, practices, rules, and values



## Development Team

Self-organizing & cross-functional group of people who do the hands-on work of developing and testing the product

# Scrum Artifacts

Scrum defines three artifacts: Product Backlog, Sprint Backlog, and a potentially releasable product increment to help manage work.

## Product Backlog



The Product Backlog is an **ordered list of everything** that is known to be **needed in a product**

## Sprint Backlog



Sprint Backlog is **the set of Product Backlog items** that the team commits to **achieve in a given Sprint**

## Product Increment



It is the **sum of all the Product Backlog items completed during a Sprint** and the value of the increments of all previous Sprints

## Burndown Charts



Sprint burndowns are a **graphical way of showing how much work is remaining in the sprint**, typically in terms of task hours

***Sprint*** is a time-box of one month or less during which a useable, and potentially releasable product Increment is created

# Scrum Events

Scrum defines four events (sometimes called ceremonies) that occur inside each Sprint: Sprint Planning, Daily Scrum, Sprint Review, and Sprint Retrospective

## Sprint Planning

The entire Scrum Team collaborates and plans the work to be performed during a Sprint and defines the Sprint Goal

## Daily Scrum

It is a every day 15-minute time-boxed event for the Development Team to inspect progress toward the Sprint Goal

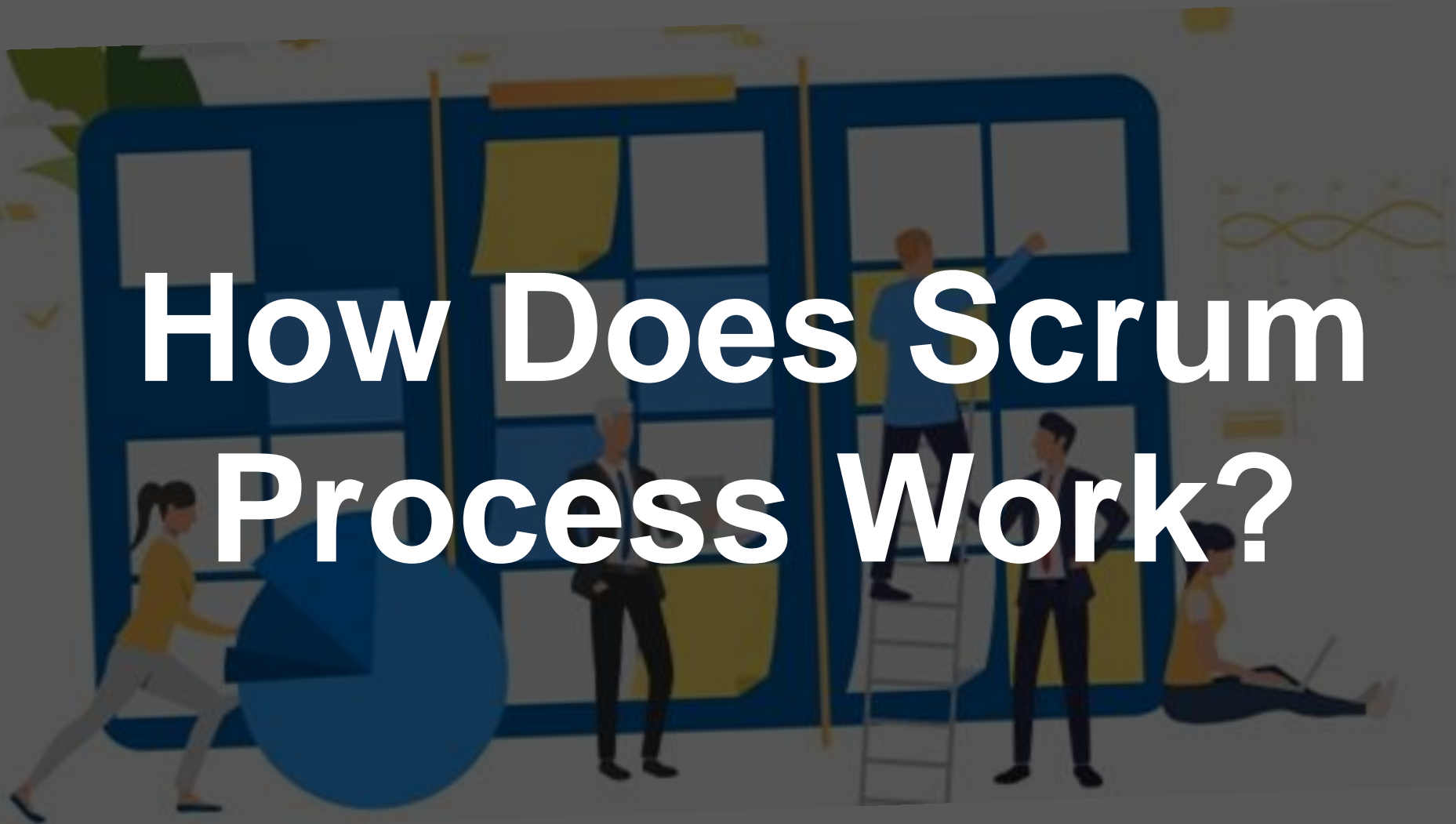
## Sprint Review

It is held at the end of the Sprint where the Scrum Team and stakeholders inspect the Increment and adapt the Product Backlog if needed

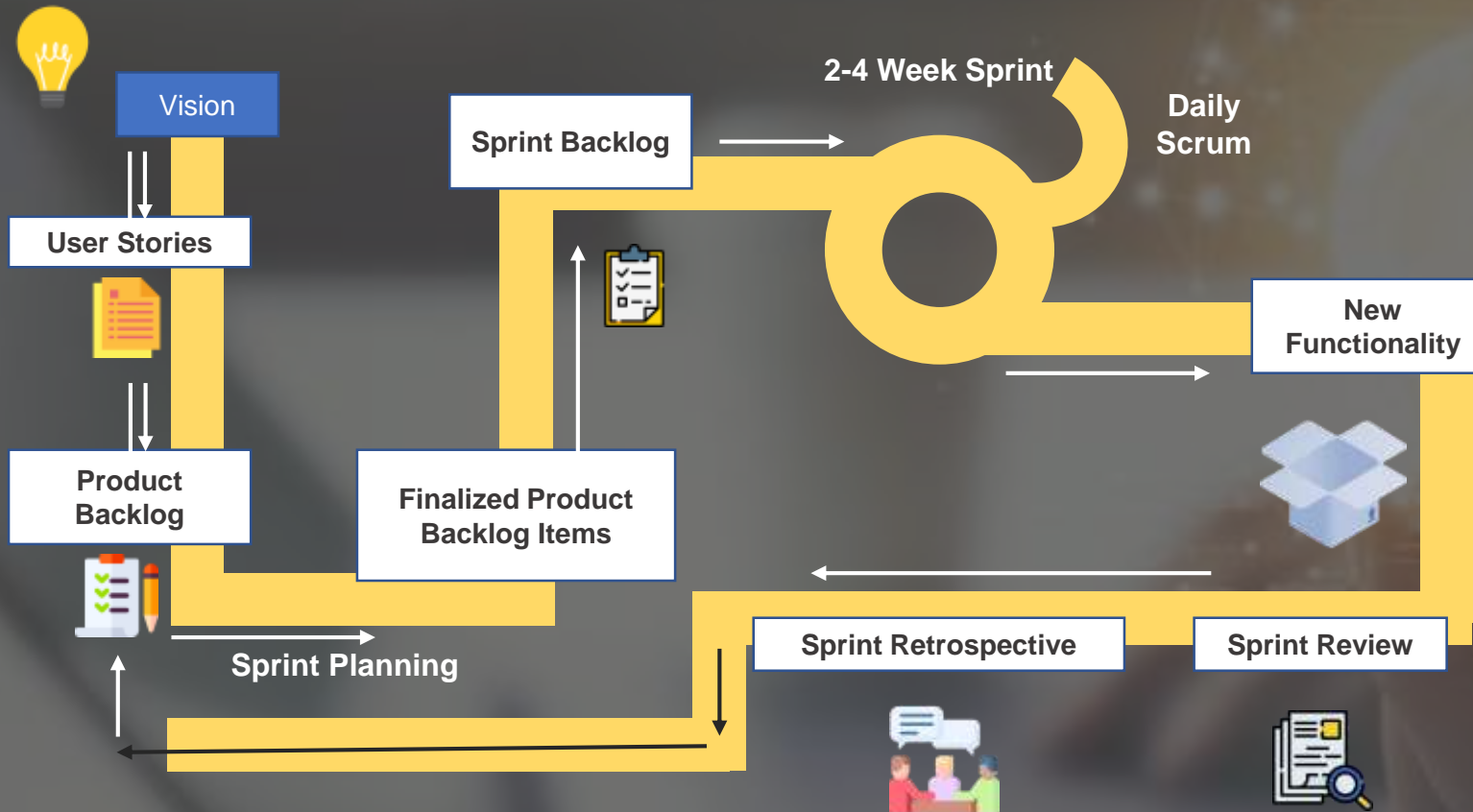
## Sprint Retrospective

During a sprint retrospective the Scrum Team reflects upon how things went during the previous sprint and areas for improvement in the Sprint

# How Does Scrum Process Work?



# Scrum Process



1. Product owner creates a Product Backlog
2. Scrum team attends Sprint Planning meeting to set the sprint goal

(The subset of items from product backlog becomes sprint backlog)




3. The team meets in the Daily Scrum to access the progress of the sprint  
(Scrum Master keeps the team focused on the goal)

4. At the end of the sprint, Sprint Review is organized by Product Owner
5. After the sprint review, the scrum team gathers-up in sprint retrospective meeting
6. The team repeats steps 2-7 until the desired outcome of the product have been met



# Sounds Interesting?

There is a huge demand for **Certified Scrum Masters** who can prove their knowledge and skills involving Agile and Scrum practices. Trained, certified, and experienced Scrum masters are highly sought after. **Invensis Learning** provides **live online Certified ScrumMaster (CSM®) certification training** which is **accredited by Scrum Alliance®**

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## CSM CERTIFICATION TRAINING


**Certified ScrumMaster (CSM®)** certification training course by Invensis Learning will help you master the Scrum framework. Invensis Learning is accredited by Scrum Alliance to provide CSM certification training globally. CSM training will help you gain the requisite experience to succeed as a Scrum Master. This is a 2-day instructor-led live online CSM certification training which will be delivered by a Certified Scrum Trainer® (CST®) with rich domain experience and includes the certification exam cost. Participants attending this CSM certification training will get 16 SEUs and 2-year free membership with Scrum Alliance.

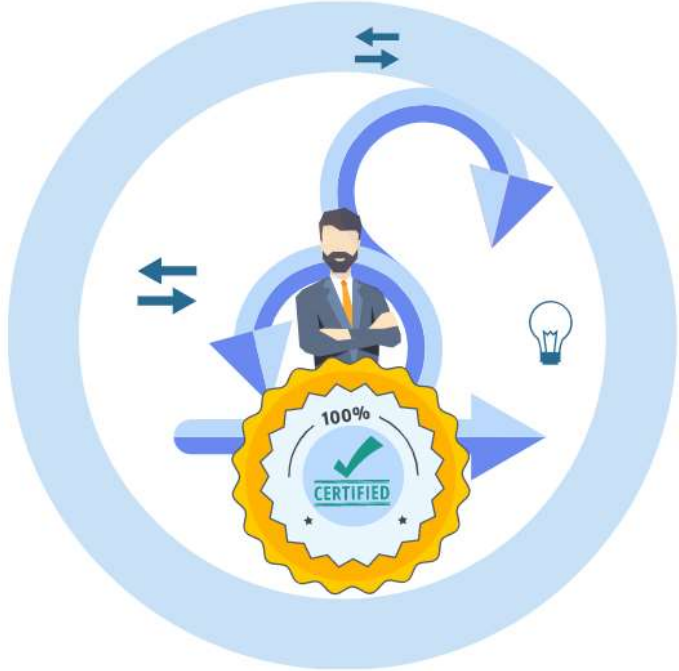
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