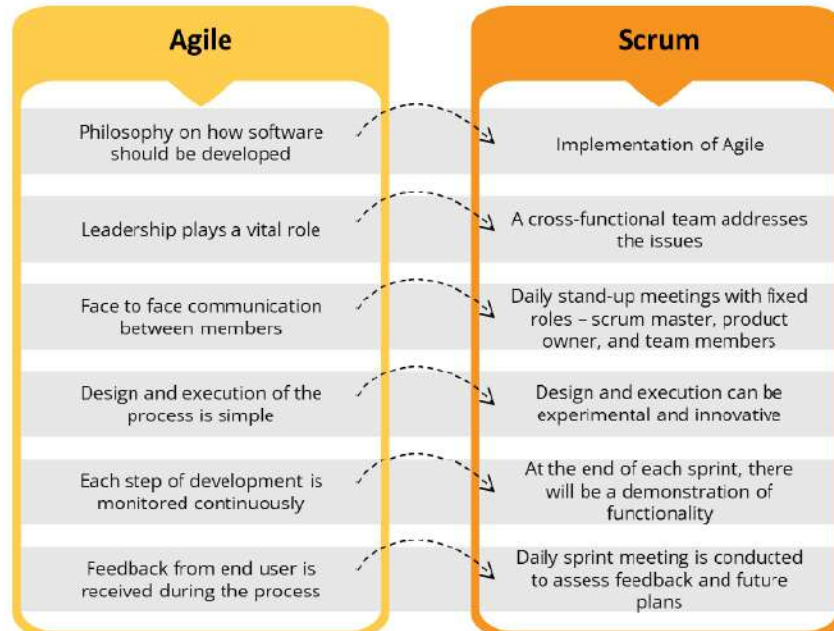


# Agile and Scrum: How can they help you?



## How is Scrum different than Agile?



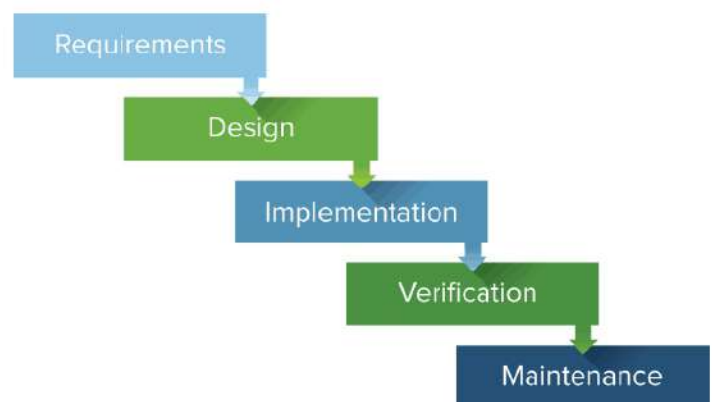
Scrum will always include the same methodologies as Agile, however Agile might not share some qualities of Scrum.

## WHAT EXACTLY IS WRONG WITH WATERFALL DEVELOPMENT?

Traditionally, waterfall development was used to manage projects where tasks are executed in phases – linear and sequential. As a result, changes in the development process and including new ideas are impossible. Changes will also be expensive as the process cannot stop before delivering the full product.

### Disadvantages

1. Not Adaptive
2. High Risk
3. Excludes customer feedback
4. Delayed testing
5. Difficult to measure within stages



# WHAT IS AGILE?

An approach to project management that emphasizes rapid production and continuous revision by utilizing short & iterative work cycles. Agile places a strong emphasis on cooperation, rapid adaptability, frequent software releases that are functional and user friendly. It is an approach that completes tasks more quickly. It's fundamental principle is to be flexible enough to make adjustments as necessary.

## 4 Core Values

1. Individuals and interactions over processes and tools
2. Working software over comprehensive documentation
3. Customer collaboration over contract negotiation
4. Responding to change over following a plan

Source: <https://agilemanifesto.org/>

## Benefits

1. Constant Communication between teams
2. Rapid Delivery of Working Software
3. Constant Feedback from customers
4. Allows changes based on customer feedback

Based on a recent [State of Agile Report](#), 94% of the respondents say that company is practicing Agile. Scrum is also utilized by 66% of firms, with the remaining compiled with other agile methodologies.



## Agile Methodologies

 Scrum

 Kanban

 Crystal

 Extreme Programming (XP)

 Lean Development

 Feature Driven Development (FDD)

 Dynamic Systems Development

Method (DSDM)

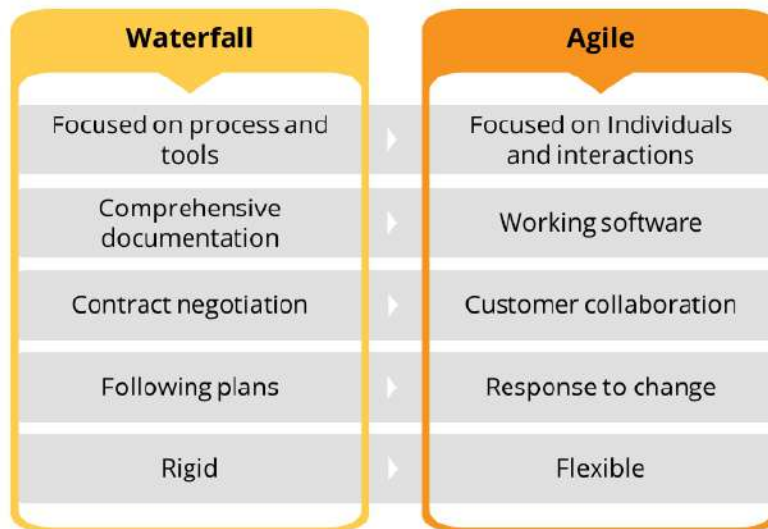
 Rational Unified Processes (RUP)

 Agile Modeling

 Velocity Tracking

## HOW CAN I BEGIN USING AGILE AND SCRUM?

Agile presented a new way of thinking where:



### 4 Ceremonies

**Sprint planning:** To decide what should be included in the current sprint, the team will discuss. Nothing further can be added to the sprint after the team has agreed what to include in it.

**Sprint demo:** a discussion for sharing where the team displays the products they have shipped.

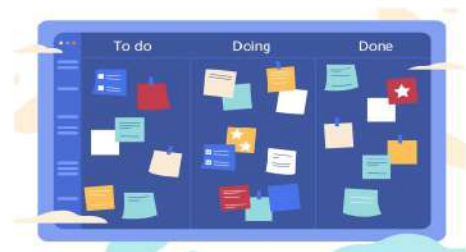
**Daily Standup Meeting:** Regular 15-minute sessions are held to discuss progress and problems.

**Retrospective:** an assessment of the outcomes from the last sprint to make process adjustments.

### Learn New Skills

1. Learning automation and design evolution
2. Cooperation and collaboration with team members
3. Produce working software within short timeboxes

A "Scrum board" will also be utilized to track the progress during the meeting and insert issues to be addressed.



To Learn more about the Agile/ Scrum do visit our program bundle and choose the right program that works best for you & your teams.