


Understanding Scrum-Agile Framework

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- Origins of Agile
 - Why Agile? (flexibility, adaptability, customer-centric)
 - Scrum as an Agile subset
 - Agile was introduced as a progressive shift from rigid software development methods, aiming for collaboration and iterative progress.
 - Agile prioritizes flexibility and adaptability, focusing on delivering customer-centric solutions in dynamic environments.
 - Scrum refines Agile principles into a structured framework, emphasizing defined roles and iterative progress through sprints.

Roles in a Scrum-Agile Team

A group of people are gathered around a table in a meeting. Some are looking at a whiteboard in the background, while others are looking at documents on the table. The image is slightly blurred, giving a sense of motion or a candid moment. Overlaid on the image are several white text boxes containing text about Scrum-Agile team roles.

- Product Owner: Visionary, Backlog Manager

- Scrum Master: Facilitator, Roadblock Remover

- Development Team: Creators, Collaborators

- The Product Owner defines the product's direction and ensures the team aligns with that vision.

- the Scrum Master aids the team in following Scrum practices, meetings, and rules.

- The Development team responsible for building and delivering the product increments.

Agile SDLC Phases

Planning:

- Backlog creation
- User story prioritization

Design:

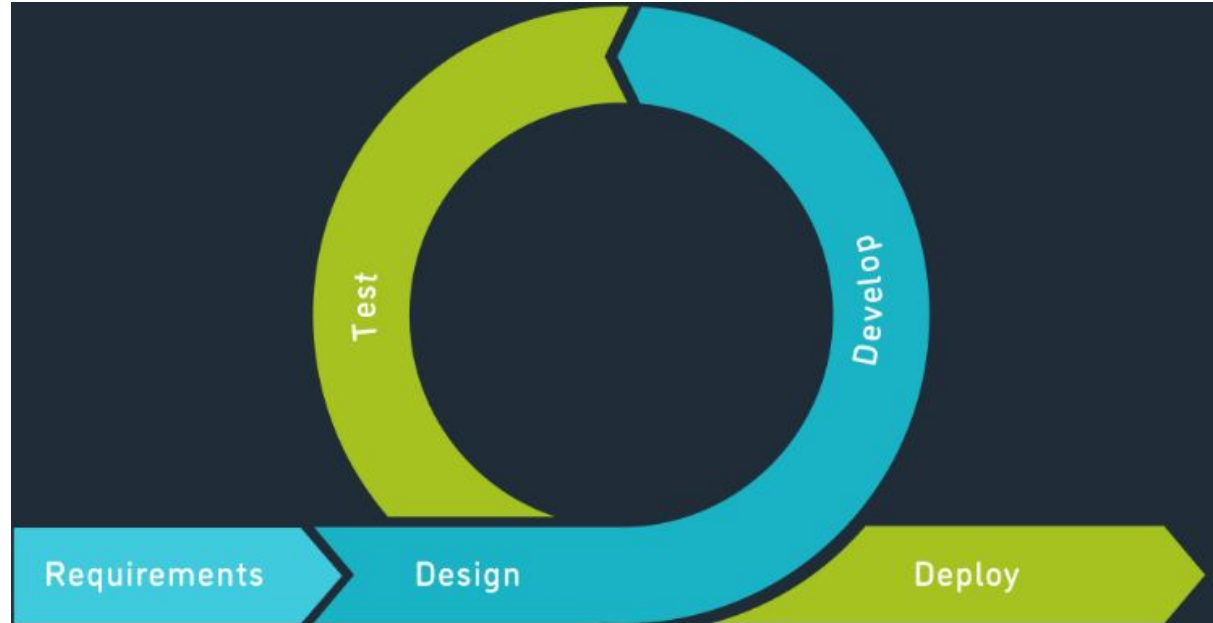
- Collaborative sessions
- Blueprint creation

Implementation:

- Incremental builds
- Functionality segments

Testing & Integration:

- Continuous testing
- Efficient bug identification



Comparing Development Approaches

Waterfall:

- Linear
- Defined stages
- Less flexible

Agile:

- Iterative
- Overlapping phases
- Adaptive

Deciding on Waterfall or Agile

Project Size & Duration:

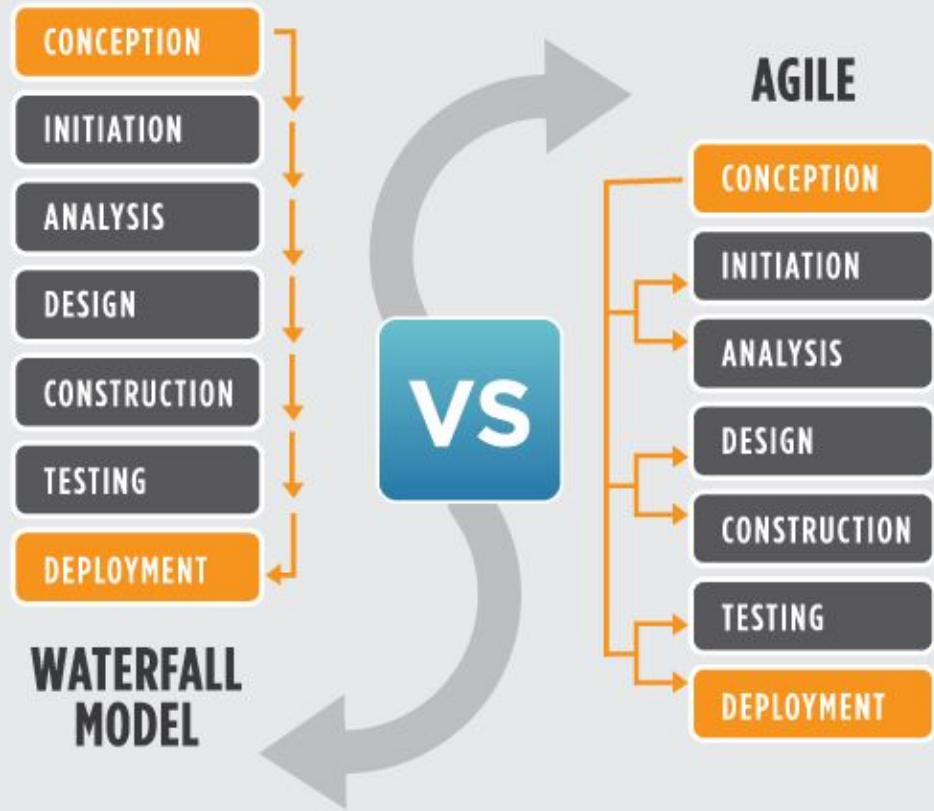
- Short term (Waterfall)
- Long term (Agile)

Flexibility Needs:

- Rigid requirements (Waterfall)
- Evolving needs (Agile)

Customer Engagement:

- Continuous feedback (Agile)
- End-stage reviews (Waterfall)



ILLUSTRATED BY SEGUE TECHNOLOGIES

Our Path Forward

Embrace Scrum-agile:

- Committing fully to the Scrum-agile methodology requires dedication from all team members and stakeholders. We should aim for continuous education and training sessions on Scrum principles.

Feedback Loops:

- Regularly schedule feedback sessions with our clients and among our teams to ensure we're constantly adapting and improving.

Team Empowerment:

- Empower teams to make decisions and self-organize. This will improve motivation and innovation within our teams.

Expand Agile Across Organization:

- Start piloting Scrum-agile in other departments or projects to see the impact on a broader scale.