

SYSTEM ANALYSIS AND DESIGN

SE103.3

Tutorial 4

1. What are the differences between Traditional (Waterfall) and Agile approaches?

I. Flexibility:

- The traditional method provides clear steps to follow to achieve a goal and the project manager must approve any change, while Agile project management allows for priorities to shift throughout a project.

II. Process monitoring:

- Traditional project management might include weekly meetings with a team and the project manager may meet with other stakeholders. An Agile team meets every day for a short time to identify any issues, and project status is typically visible to all stakeholders.

III. Documentation:

- While the priority of Agile project management is functional systems and processes and consistent responses to customers, traditional requires detailed documentation at every step. Each team member and the project manager record their analysis, actions, and outcomes throughout every phase.

IV. Testing and approval:

- Whether it's software or a new process, dedicated teams perform testing near the end of a project in the traditional method. Agile includes users and customers testing regularly with each iteration.

2. What are the key components of the Scrum framework in Agile methodology?

- Scrum master
- Scrum product owner
- Scrum team