

Assignment 4: Scrum Framework Overview - Prepare a one-page cheat sheet on the Scrum framework that includes roles, responsibilities, artifacts, and ceremonies. Provide a brief example of a Sprint task list for the earlier mentioned app project.

Scrum Framework Cheat Sheet

Key Roles and Responsibilities

1. Product Owner

- Defines and prioritizes the product backlog.
- Ensures the team builds the most valuable features first.
- Acts as a bridge between stakeholders and the Scrum team.

2. Scrum Master

- Facilitates Scrum ceremonies and removes impediments.
- Coaches the team on Agile principles and practices.
- Ensures the team remains focused on Sprint goals.

3. Development Team

- Cross-functional group responsible for delivering increments.
 - Self-organizes to achieve Sprint goals.
 - Collaborates with the Product Owner for clarity on tasks.
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Scrum Artifacts

1. Product Backlog

- Prioritized list of features or tasks required for the product.
- Managed by the Product Owner.

2. Sprint Backlog

- Subset of the product backlog selected for a Sprint.
- Includes tasks required to deliver the increment.

3. Increment

- A potentially shippable product or feature delivered at the end of a Sprint.
 - Must meet the **Definition of Done** (DoD).
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Scrum Ceremonies

1. Sprint Planning

- Team selects tasks from the product backlog to work on during the Sprint.
 - Defines the Sprint goal.
2. **Daily Scrum (Stand-Up)**
- 15-minute meeting to discuss progress, plans, and roadblocks.
3. **Sprint Review**
- Demonstration of the increment to stakeholders.
 - Feedback gathered to refine the backlog.
4. **Sprint Retrospective**
- Team reflects on the Sprint and identifies areas for improvement.

Example Sprint Task List for Community Event App

Sprint Goal: Enable basic event creation and attendee management.

Task ID	User Story	Task Description	Assignee	Status
1	As an organizer, I want to create an event so I can share details with attendees.	Design event creation UI.	Frontend Team	To Do
2		Develop backend APIs for event creation.	Backend Team	To Do
3		Test and validate event creation functionality.	QA Team	To Do
4	As an attendee, I want to RSVP to events so I can confirm my participation.	Implement RSVP feature in frontend.	Frontend Team	To Do
5		Add RSVP endpoints in backend.	Backend Team	To Do
6		Integrate RSVP notifications via email.	Backend Team	To Do