Scrum Overview

Scrum is an Agile framework designed for developing, delivering, and maintaining complex products. It emphasizes iterative progress, collaboration, and adaptability.

Key Roles

- **Product Owner:**
  - Defines the product vision and manages the backlog.
  - Prioritizes backlog items based on value to the business.
  - Ensures the team delivers value.
- **Scrum Master:**
  - Facilitates Scrum processes and resolves any impediments.
  - Coaches the team on using Scrum practices effectively.
  - Ensures adherence to Scrum principles.
- **Development Team:**
  - Self-organizing and cross-functional team members.
  - Responsible for delivering potentially shippable increments of the product.
  - Collaborates to meet sprint goals.

Key Artifacts

- **Product Backlog:**
  - A prioritized list of features, enhancements, and fixes.
  - Managed by the Product Owner.
- **Sprint Backlog:**
  - A subset of the Product Backlog chosen for a Sprint.
  - Includes tasks required to deliver the increment.
- **Increment:**
  - The total of all completed Product Backlog items during a Sprint.
  - Must be in a usable condition and meet the Definition of Done.

Key Events

- **Sprint:**
  - A time-boxed period (usually 2-4 weeks) in which work is completed.
  - Results in a potentially shippable product increment.
- **Sprint Planning:**
  - The team plans the work to be done during the Sprint.
  - Defines the Sprint goal and selects backlog items.
- **Daily Scrum:**
  - A 15-minute daily meeting for the team to synchronize activities.
  - Team members discuss what was done, what will be done, and any impediments.
- **Sprint Review:**
  - Held at the end of the Sprint to inspect the increment.
  - Stakeholders provide feedback, and the Product Backlog is updated.
- **Sprint Retrospective:**
  - Held after the Sprint Review to reflect on the process.
  - The team identifies improvements for the next Sprint.

Scrum Values

- **Commitment:** Team members commit to achieving their goals.
- **Courage:** Team members have the courage to do the right thing.
- **Focus:** Everyone concentrates on the work of the Sprint.
- **Openness:** Team members are open about their work and challenges.
- **Respect:** Everyone respects each other and their contributions.