Scrum
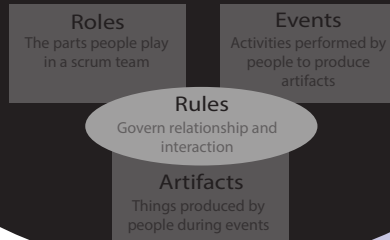
Iterative, incremental and empirical process framework for developing, delivering and supporting complex products

Roles
The parts people play in a scrum team

Events
Activities performed by people to produce artifacts

Rules
Govern relationship and interaction

Artifacts
Things produced by people during events

👥 Roles

👤 Product Owner

Decisions reflected in order and content of backlog items. Manages the backlog. Maximise the value of the work performed by the development team

👤 Scrum Master

Servant leader who provides scrum expertise and guidance on agile practices.

Helps Product Owner state goals, scope, domain, and helps maintain a clear, concise and effective backlog.

Help the development team become self-organizing, cross functional and build a high value product.

👤 Development Team Member

Decides how to turn backlog items into done increments. Designs, organizes and perform the development work.

📄 Scrum Artifacts

Work of value. Provides transparency and opportunity for review.

Product Backlog

Ordered list of all requirements
Each item includes the following:
- Order
- Description
- Value
- Estimate (Updated when worked on)
- Test plan (optional)

Sprint Backlog

Backlog items selected for the sprint plus plan to deliver the sprint increment.

Sprint Goal

Focus of the sprint, crafted during planning. The sprint goal is any coherence that causes the team to work together rather than individually.

Increment

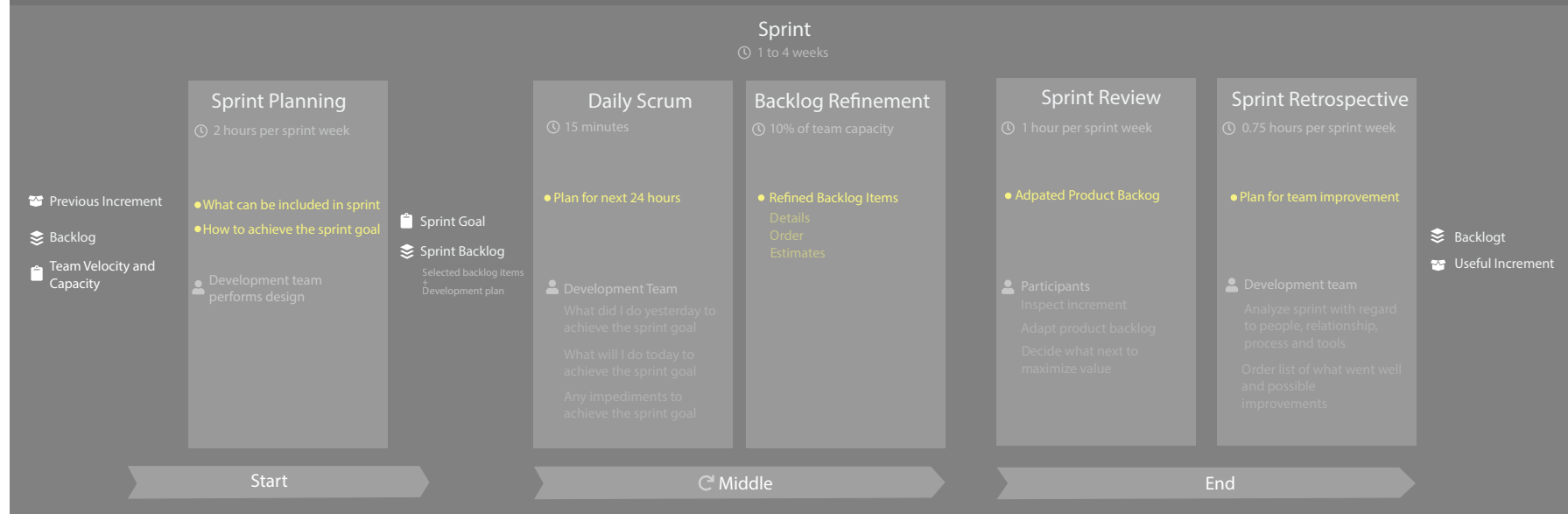A done, usable, releasable and inspectable increment which is aligned with the goal

⚙ Process Framework

Sprint
🕐 1 to 4 weeks

Sprint Planning
🕐 2 hours per sprint week
- What can be included in sprint
- How to achieve the sprint goal
- 👤 Development team performs design

- 📋 Previous Increment
- 📚 Backlog
- 📋 Team Velocity and Capacity

- 📋 Sprint Goal
- 📚 Sprint Backlog
  Selected backlog items
  +
  Development plan

Daily Scrum
🕐 15 minutes
- Plan for next 24 hours
- 👤 Development Team
  What did I do yesterday to achieve the sprint goal
  What will I do today to achieve the sprint goal
  Any impediments to achieve the sprint goal

Backlog Refinement
🕐 10% of team capacity
- Refined Backlog Items
  Details
  Order
  Estimates

Sprint Review
🕐 1 hour per sprint week
- Adpated Product Backog
- 👤 Participants
  Inspect increment
  Adapt product backlog
  Decide what next to maximize value

Sprint Retrospective
🕐 0.75 hours per sprint week
- Plan for team improvement
- 👤 Development team
  Analyze sprint with regard to people, relationship, process and tools
  Order list of what went well and possible improvements

- 📚 Backlogt
- 📋 Useful Increment

Start | ↻ Middle | End

SMART Goal

Acronym for properties of a well stated goal.
- **S**pecific
- **M**easurable
- **A**chieveble
- **R**ealistic
- **T**imely

Software Requirements

Business	Architectural
Market	User Interface
Domain	Non-functional
Functional	

🏛 Pillars

Transparency
Significant aspects of the process must be visible to those responsible for the outcome

Inspection
Frequent inspection of artifacts and progress toward a scrum goal, performed by diligent skilled inspectors

Adaption
Process and product adjustment as soon as possible to minimize undesirable deviation.

❤ Values

Commitment	Courage	Focus	Openness	Respect