

Scrum Project Participants and Roles

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1 Scrum Project Participants and Roles

1.1 Internal Participants

1.1.0.a Development Team Roles

1.1.0.a.a Software Developer

- Writes and maintains application code
- Implements features and fixes bugs
- Participates in code reviews
- Contributes to technical documentation
- Follows coding standards and best practices

1.1.0.a.b Quality Assurance Engineer

- Designs and executes test cases
- Performs manual and automated testing
- Identifies and reports defects
- Validates bug fixes
- Maintains test documentation

1.1.0.a.c UI/UX Designer

- Creates user interface designs
- Develops user experience workflows
- Produces wireframes and prototypes
- Ensures design consistency
- Conducts usability testing

1.1.a Scrum-Specific Role Adaptations

1.1.a.0.a Software Developer

- Participates in sprint planning and estimation
- Implements user stories and tasks
- Participates in daily scrums

1.1.a.0.b Quality Assurance Engineer

- Creates and executes test plans for sprint items
- Performs sprint-level testing
- Participates in sprint planning
- Ensures definition of done is met
- Supports sprint reviews

1.1.a.0.c UI/UX Designer

- Designs sprint-ready interface components
- Creates prototypes for upcoming sprints

- Participates in sprint planning
- Supports usability testing within sprints
- Collaborates in sprint reviews

1.2 Scrum Events and Ceremonies

- Sprint Planning
- Daily Scrum
- Sprint Review
- Sprint Retrospective
- Backlog Refinement

1.3 Communication Patterns

1.3.a Sprint-based Communication

- Sprint planning meetings
- Daily scrum updates
- Sprint review demonstrations
- Retrospective discussions
- Backlog refinement sessions

1.3.b Documentation

1.3.c Documentation Fundamentals

- Version control practices
- Technical documentation
- Process documentation
- Meeting notes and decisions
- Metrics and reports

1.3.d Version Control Practices

- Documentation in markdown format
- Clear directory structure
- Regular documentation reviews
- Change history preservation
- Automated documentation generation

1.3.d.a Scrum-Specific Documentation

- Sprint backlogs
- Sprint burndown charts
- Definition of Done
- Sprint reviews
- Retrospective outcomes

1.4 Required Skills by Role

1.4.a Technical Skills Matrix

Role	Agile	Technical	Communication	Planning	Testing
Product Owner	●●●●	●●●	●●●	●	
Scrum Master	●●●●	●●●	●●	●●	
Developer	●●	●●●	●●	●●	●●

Legend: ●●● Expert, ●● Intermediate, ● Basic

1.5 Team Dynamics

1.5.a Scrum Best Practices

- Time-boxed iterations
- Cross-functional teams
- Sprint ceremonies
- Empirical process control
- Continuous improvement through retrospectives

1.6 RACI Matrix (Scrum)

Activity/ Role	Product Owner	Scrum Master	Dev Team	Tech Lead	Stake- holders
Product Vision	R/A	I	I	C	C
Backlog Management	R/A	C	C	C	I
Sprint Planning	A	R	R	R	I
Daily Scrum	O	F	R	R	-

Activity/ Role		Pro- duct Ow- ner	Scrum Mas- ter	Dev Team	Tech Lead	Sta- ke- holders
Sprint view	Re-	R	F	R	R	C
Sprint trospec- tive	Re-	A	R	R	R	-