

Assignment – Agile Methodology [Major] by Ankit Singh

Task Name: Implement User Authentication

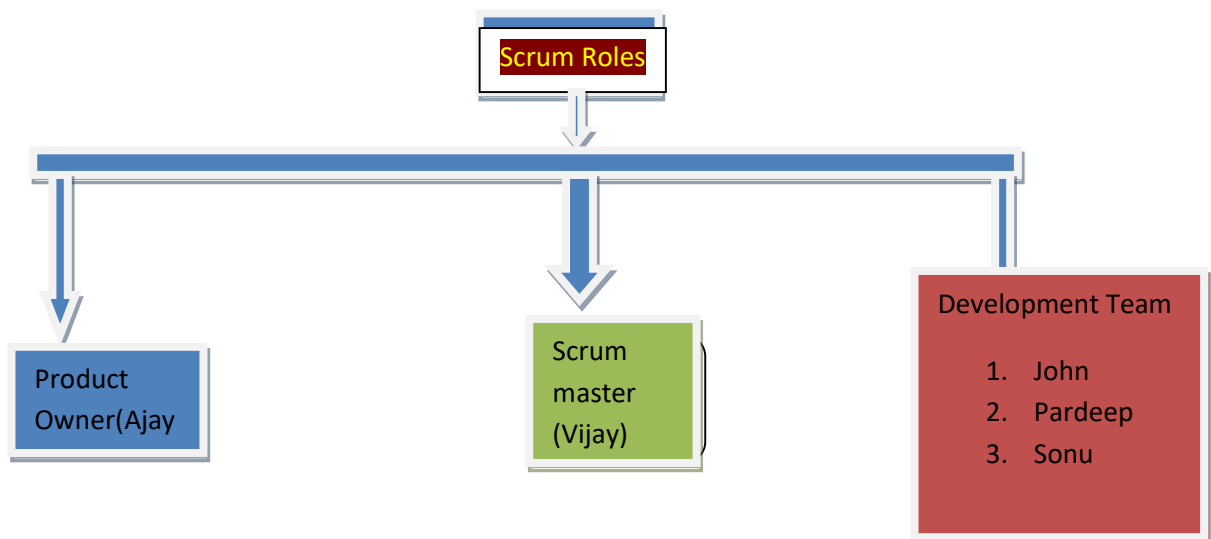
Description: Develop the user authentication functionality to allow user to securely sign up, log in, and manage their accounts.

User Story: As a user , I want to be create an account , log in with my credentials, and update my account settings to ensure the security of my information.

Scrum Roles

1. Product Owner (PO): Ajay.
2. Scrum Master: Vijay.
3. Development Team: John (Backend Development), Pardeep (Frontend Developer) Sonu (QA Engineer).

Sprint Duration: 2 Weeks (10 Working days)



Scrum Framework: User Authentication feature

Sprint Activities:

Day 1: Sprint Planning

- Ajay (PO) presents the Authentication user story.
- The Development Team estimates the user story's effort at 5 story points.
- The team decides to include the User Authentication user story in sprint.

Days 2-9: Daily Scrum, Development and Testing

- Each morning, the Development Team holds a Daily Scrum meeting to progress:
- John: "Yesterday, I set up user model and registration API. Today, I'll work on email confirm".
- Pardeep: "I finished designing the registration form UI. Today, I'll work on the login form."
- Sonu: "I completed testing for the registration API. Today I'll focus on testing the login functionality."

Day 10: Sprint Retrospective

- In the Retrospective, the team discusses what went well and what could be improved during the sprint:
- What went well: Effective collaboration among team, efficient code integration.
- What could be improved: More detailed testing scenarios, better synchronization between backend and frontend development.

Days 10-11: Sprint Review and Backlog Refinement

- **Ajay** (PO) and the Development Team member, efficient code integration.
- They refine the backlog based on the suggestion, adding tasks for UI adjustments and additional testing scenarios.
- Ajay reprioritizes the backlog based on stakeholder feedback and the team's suggestions.

This example illustrates how the Scrum framework works for the User Authentication feature. The Development Team collaborates, iterates, and adapts throughout the sprint. The Daily Scrums facilitate communication and coordination, and the sprint ends with a review and Retrospective to gather feedback and improve the process. The Backlog Refinement ensures that the product backlog is up to date and reflects stakeholders' needs and the Team's insights.

Scrum framework is given Below

