

Day 4

Assignment 1:-

Q) Agile Project Planning - Create a one-page project plan for a new software feature using Agile planning techniques. Include backlog items with estimated story points and a prioritized list of user stories.

A) Project Name: Implement Real-Time Chat Feature

Project Vision: Enhance user engagement and communication within the platform by implementing a real-time chat feature, enabling users to interact seamlessly.

Project Objective:

- Improve user experience by providing a convenient and efficient means of communication.
- Increase user retention and platform usage by offering real-time communication capabilities.

Key Stakeholders:

- Product Owner: [Name]
- Development Team: [Team Members]
- Users: [Target Audience]

Backlog Items:

1. User Story: As a user, I want to be able to send text messages to other users in real-time.
 - Story Points: 5
2. User Story: As a user, I want to receive notifications for new messages while I'm online.
 - Story Points: 3
3. User Story: As a user, I want to see online status indicators for other users.
 - Story Points: 2
4. User Story: As a user, I want to be able to send emojis and multimedia files in chat messages.
 - Story Points: 8
5. User Story: As a user, I want to have the option to create group chats with multiple participants.
 - Story Points: 13
6. User Story: As a user, I want to be able to search for previous chat messages.
 - Story Points: 5

7. User Story: As a user, I want to have control over my chat privacy settings.

- Story Points: 5

Prioritized User Stories:

1. Implement real-time text messaging (5 SP)
2. Send emojis and multimedia files (8 SP)
3. Create group chats (13 SP)
4. Search for previous chat messages (5 SP)
5. Receive notifications for new messages (3 SP)
6. See online status indicators (2 SP)
7. Control chat privacy settings (5 SP)

Notes:

- Prioritization is based on user value and complexity.
- Story points reflect the estimated effort required for each user story.
- Continuous feedback and iteration will be used to refine the feature based on user feedback and changing requirements.

Addressing Common Challenge:

Challenge: Integrating real-time chat functionality with existing platform architecture may pose technical complexities and potential performance issues.

Solution: To address this challenge, the development team will hold a dedicated technical planning session where they'll discuss potential integration approaches, evaluate the impact on performance, and identify any necessary infrastructure upgrades or optimizations. Regular communication between the development team and system architects will ensure that any architectural changes required to support real-time chat are implemented efficiently. Additionally, conducting thorough testing, including load testing will help identify and mitigate any performance bottlenecks before deployment. Regular updates on the progress and any adjustments made during the technical planning phase will be communicated transparently to the stakeholders to maintain alignment and manage expectations.

Assignment 2:-

Q) Daily Standup Simulation - Write a script for a Daily Standup meeting for a development team working on the software feature from Assignment 1. Address a common challenge and incorporate a solution into the communication flow.

A):Daily Standup Meeting Script:

Team Members: 06

Date: 07/05/24

Time: 03:30

Facilitator: Good morning, team! Let's begin today's standup meeting. Each team member will provide a brief update on their progress from yesterday, plans for today, and if they need any support or are facing challenges.

Developer 1:

Yesterday, I worked on integrating the profile picture upload feature with the backend APIs. Today, I'll continue testing the feature and start documenting the API endpoints for documentation. No major challenges so far.

Developer 2:

I focused on writing unit tests for the profile customization functionality yesterday. Today, I plan to complete the test suite and review the code with Developer 1 for any improvements. One challenge I encountered is mocking certain dependencies in the tests to ensure comprehensive coverage.

Developer 3:

Yesterday, I addressed some UI bugs in the user profile page and optimized the loading time for profile data retrieval. Today, I'll work on implementing the feature to showcase skills and expertise on the profile page. The challenge I'm facing is deciding on the best way to structure the data model for storing and displaying skills effectively.

Facilitator:

Thank you for the updates, team. It sounds like we're making good progress. Let's address the challenge Developer 3 mentioned regarding structuring the data model for skills and expertise. One solution could be to schedule a short brainstorming session after this standup where we can discuss different approaches and gather insights from team members who have experience with similar features. Does that sound like a plan?

Developer 3:

That sounds like a productive approach, Facilitator. I think collaborating on this will help us find the most efficient solution.

Facilitator:

Great! We'll schedule the brainstorming session for later today. Any other challenges or blockers anyone wants to raise?

[Silence]

Facilitator:

Alright, it seems like we're all set. Let's wrap up the standup meeting here. Remember, if any new challenges arise during the day, don't hesitate to reach out to the team for support. Have a productive day, everyone!

End of Daily Standup Meeting