

Assignment 1:

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.

Project Name: Enhancing User Authentication

Project Goal: Improve user authentication process to enhance security and user experience.

Backlog Items:

1. User Story: As a user, I want to be able to set up two-factor authentication for my account.
 - Story Points: 5
2. User Story: As a user, I want the option to log in using biometric authentication (fingerprint/face recognition).
 - Story Points: 8
3. User Story: As a user, I want to receive email notifications for any suspicious login attempts.
 - Story Points: 3
4. User Story: As an admin, I want the ability to reset user passwords securely.
 - Story Points: 5
5. User Story: As a user, I want the option to log in using OAuth authentication with third-party services.
 - Story Points: 8

Prioritized User Stories:

1. User Story: As a user, I want to be able to set up two-factor authentication for my account.
2. User Story: As a user, I want the option to log in using biometric authentication (fingerprint/face recognition).
3. User Story: As a user, I want the option to log in using OAuth authentication with third-party services.
4. User Story: As an admin, I want the ability to reset user passwords securely.
5. User Story: As a user, I want to receive email notifications for any suspicious login attempts.

Timeline:

- Sprint 1 (2 weeks):
 - Implement two-factor authentication (User Story 1)
 - Begin implementation of biometric authentication (User Story 2)
 - Set up basic email notification system (User Story 5)
- Sprint 2 (2 weeks):
 - Complete biometric authentication (User Story 2)
 - Implement OAuth authentication (User Story 3)
 - Enhance email notification system (User Story 5)
- Sprint 3 (2 weeks):
 - Implement password reset functionality (User Story 4)
 - Conduct testing and bug fixes
 - Prepare for release

Note: Story points are estimates of relative effort, not actual time. Each sprint may adjust based on team velocity and feedback.

Assignment 2:

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.

explain using example

Team Lead: Good morning, everyone! Let's kick off our daily standup meeting. As usual, we'll go around the virtual room and each team member will provide a brief update on their progress, any challenges they're facing, and if they need any help. Let's keep it concise to ensure we stay on track.

Developer 1 (Alice): Morning, team. Yesterday, I finished implementing two-factor authentication. However, I ran into a roadblock with the biometric authentication integration. It's proving to be more complex than anticipated. I might need

some assistance from the frontend team to handle the UI components smoothly.

Team Lead: Thanks, Alice, for the update. It's great to hear about the progress with two-factor authentication. Let's sync up after the standup to discuss the biometric authentication challenge further. I'll coordinate with the frontend team to provide the support you need.

Developer 2 (Bob): Good morning, everyone. Yesterday, I completed the initial setup for OAuth authentication with third-party services. No major roadblocks encountered. Today, I'll start writing unit tests for the OAuth module.

Team Lead: Thanks, Bob. It's good to hear that OAuth integration is on track. Make sure to coordinate with our QA team for thorough test coverage.

Developer 3 (Charlie): Hi, everyone. Yesterday, I worked on setting up the basic email notification system. However, I faced an issue with configuring the email server. I've already reached out to our DevOps team for assistance, and they're currently looking into it.

Team Lead: Thanks, Charlie, for bringing this up. Email configuration can be tricky sometimes, but I'm glad you've already looped in the DevOps team. Let's follow up with them after the standup to ensure timely resolution.

Team Lead: Alright, that wraps up our updates for today. Alice, Bob, and Charlie, let's sync up right after this meeting to address the challenges mentioned. Remember, communication is key, and don't hesitate to reach out if you need any support throughout the day. Let's keep up the momentum, and I'm confident we'll overcome any hurdles together. Have a productive day, everyone!

Example Explanation:

In this script, the daily standup meeting begins with a brief introduction from the team lead, setting the tone for a focused and efficient discussion. Each team member provides a concise update on their progress, identifies a common challenge they're facing, and suggests potential solutions.

Alice highlights her progress with two-factor authentication but mentions a challenge with biometric authentication. The team

lead acknowledges her update and offers support by coordinating with the frontend team.

Bob shares his progress with OAuth integration, indicating no major issues. The team lead encourages him to collaborate with the QA team for thorough testing.

Charlie discusses his work on the email notification system and mentions a challenge with email server configuration. The team lead acknowledges his update and suggests following up with the DevOps team for assistance.

The team lead concludes the meeting by summarizing the challenges mentioned and emphasizing the importance of communication and collaboration. They schedule follow-up discussions to address specific challenges and ensure timely resolution. This approach fosters transparency, problem-solving, and teamwork within the development team.