

MD YASEEN

DAY 4 Assignment

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.

Solution :

Let's follow Agile planning techniques in the project.

Project: Enhancing User Authentication

Vision:

To improve user authentication by implementing multi-factor authentication (MFA) for our web application.

Goals:

1. Enhance security by adding MFA.
2. Improve user experience during login.

Backlog Items:

1. **User Story:** As a user, I want to enable MFA for my account.
2. **User Story:** As a developer, I want to integrate MFA libraries into our authentication flow / process.
3. **User Story:** As a product owner, I want to define MFA methods (e.g., Through SMS, Through email, or by an authenticator app).
4. **User Story:** As a tester, I want to verify MFA functionality across different devices, browsers and search engines.

User Stories (Priority wise):

1. **Enable MFA for User (High Priority)**
 - Implement MFA settings in user profiles.

- Allow user to choose their preferred MFA method.
- 2. Integrate MFA Libraries (Medium Priority)**
 - Research and select appropriate MFA libraries.
 - Integrate libraries guidelines for users.
- 3. Define MFA Methods (Low Priority)**
 - Collaborate with stakeholders to decide supported MFA methods.
 - Document, guidelines for users.
- 4. Test MFA Across Devices (Low Priority)**
 - Conduct end-to-end testing on various devices and browsers.
 - Address any issues found during testing.

Timeline:

- Sprint 1 (2 weeks) :
 - Set up MFA settings in user profiles.
 - Integrate MFA libraries.
- Sprint 2 (2 weeks):
 - Define MFA methods.
 - Begin testing MFA functionality
- Sprint 3 (2 weeks):
 - Complete testing and address any issues.
 - Deploy MFA to production.

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.

Solution :

Daily Standup Meeting – Development Team

Agenda:

1. Check-in:

Each team member briefly shares their progress and any blockers.

2. Challenge Discussion:

Address the challenge related to task dependencies.

3. Solution Proposal:

Propose a solution to resolve the challenge.

4. Next Steps:

Define action items for the day.

Team Members:

- 1. Alok (Product owner)**
- 2. Md Yaseen (Developer)**
- 3. Kuldeep (Tester)**
- 4. Shadan (Scrum Master)**

Challenge: Task Dependencies

- **Context:** Md Yaseen is working on integrating MFA libraries, but he is waiting for Alok to finalize the supported MFA methods.
- **Impact:** This dependency delays Md Yaseen's progress and effects the overall sprint timeline.

Solution Proposal:

- **Alok:** “Thanks, team. I have been discussing MFA methods with stakeholders. We will support SMS, email, and authenticator app-based MFA”.
- **Md Yaseen:** “Great, I will proceed with integrating the libraries based on these methods”.
- **Kuldeep:** “I will start preparing test cases for MFA scenarios”.
- **Shadan:** “Let’s ensures daily sync-ups with Alok to address any changes”.

Next Steps:

1. **Alok:** Finalize MFA methods and communicate them to the team.
2. **Md Yaseen:** Begin integrating MFA libraries based on the finalized methods.
3. **Kuldeep:** Prepare test cases for MFA functionality.
4. **Shadan:** Facilitate communication and remove any blockers.