

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.

Agile Project Plan for New Software Feature

Project Overview:

Feature: Enhanced User Profile Management

Goal: To allow users to customize and manage their profiles more effectively, improving user engagement and satisfaction.

Sprint Planning:

Sprint Duration: 2 weeks

Number of Sprints: 3 (6 weeks total)

Product Backlog:

User Story	Priority	Story Points
1. As a user, I want to upload a profile picture, so that I can personalize my account.	High	5
2. As a user, I want to update my personal information, so that my profile is current.	High	3
3. As a user, I want to set my account preferences, so that I can customize my user experience.	Medium	8
4. As a user, I want to link my social media accounts, so that I can easily share updates.	Medium	5
5. As a user, I want to view my account activity history, so that I can keep track of changes.	Low	5
6. As an admin, I want to manage user roles and permissions, so that I can control access levels.	High	8
7. As a user, I want to delete my account, so that I can permanently remove my data if desired.	Medium	3
8. As a user, I want to receive notifications for account changes, so that I am aware of updates.	Low	5

Sprint Breakdown:

Sprint 1:

User Story 1: Upload a profile picture (5 points)

User Story 2: Update personal information (3 points)

User Story 6: Manage user roles and permissions (Admin) (8 points)

Total Points: 16

Pending Backlog:

User Story	Priority	Story Points
3. As a user, I want to set my account preferences, so that I can customize my user experience.	Medium	8
4. As a user, I want to link my social media accounts, so that I can easily share updates.	Medium	5
5. As a user, I want to view my account activity history, so that I can keep track of changes.	Low	5
7. As a user, I want to delete my account, so that I can permanently remove my data if desired.	Medium	3
8. As a user, I want to receive notifications for account changes, so that I am aware of updates.	Low	5

Sprint 2:

User Story 3: Set account preferences (8 points)

User Story 4: Link social media accounts (5 points)

User Story 7: Delete account (3 points)

Total Points: 16

Pending Backlog:

User Story	Priority	Story Points
5. As a user, I want to view my account activity history, so that I can keep track of changes.	Low	5
8. As a user, I want to receive notifications for account changes, so that I am aware of updates.	Low	5

Sprint 3:

User Story 5: View account activity history (5 points)

User Story 8: Receive notifications for account changes (5 points)

Buffer for bug fixes and improvements (6 points)

Total Points: 16

Assignment 2:

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

Daily Standup Meeting Script

Time: 9:00 AM

Duration: 15 minutes

Participants: Development Team, Product Owner, Scrum Master

Scrum Master: Good morning, everyone! Let's get started with our daily standup. We'll follow our usual format: What did you work on yesterday? What will you work on today? Any blockers? Let's begin with Rahul.

Rahul (Frontend Developer):

Yesterday: I finished the profile picture upload functionality and started working on the UI for updating personal information.

Today: I'll complete the UI for updating personal information and start implementing form validation.

Blockers: No blockers currently.

Scrum Master: Great progress, Rahul. Next, Virat.

Virat (Backend Developer):

Yesterday: I worked on the backend API for managing user roles and permissions.

Today: I plan to finish the API and start integrating it with the frontend.

Blockers: I'm facing a challenge with the role-based access control logic. It's taking longer than expected.

Scrum Master: Thanks for sharing, Virat. Let's address that after the standup. Now, Michel.

Michel (QA Tester):

Yesterday: I completed testing the profile picture upload feature. Found a few minor bugs and logged them.

Today: I'll test the personal information update functionality once Rahul completes it.

Blockers: No blockers from my side.

Scrum Master: Excellent, Michel. David, you're up next.

David (DevOps Engineer):

Yesterday: I worked on setting up the continuous integration pipeline for our new features.

Today: I'll finish the CI pipeline setup and ensure it's running smoothly.

Blockers: None at the moment.

Scrum Master: Good to hear, David. Finally, Emma.

Emma (Product Owner):

Yesterday: I reviewed the user stories and updated the acceptance criteria based on the feedback we received.

Today: I'll be prioritizing the backlog and preparing for the next sprint planning session.

Blockers: No blockers.

Scrum Master: Thanks, Emma. Now, addressing Virat's challenge with the role-based access control logic, does anyone have experience with this or suggestions for resources that might help?

Rahul: I faced a similar issue in a previous project. Virat, I can pair with you after the standup to help debug the logic. We could also look into some best practice documentation on role-based access control to see if we're missing anything.

Virat: That sounds great, Rahul. Thank you!

Scrum Master: Excellent teamwork! Let's ensure we stay on track with our sprint goals. If there's nothing else, let's wrap up. Remember, if any other issues arise, feel free to reach out. Have a productive day, everyone!

End of Standup

Key Points Addressed:

Daily Updates: Each team member provided updates on their progress and plans.

Blockers: Identified and addressed a common challenge with role-based access control logic.

Solution: Suggested pair programming and utilizing best practice documentation to resolve the issue.