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 Overview:

Project Title: Enhance User Profile Management

Project Goal: Improve user experience by enhancing profile management features

Project Timeline: 6 weeks, divided into 3 sprints of 2 weeks each

Product Backlog:

Backlog Item	User Story	Estimated Story Points	Priority
1	As a user, I want to be able to edit my profile picture	3	High
2	As a user, I want to add/remove skills from my profile	5	High

Backlog Item	User Story	Estimated Story Points	Priority
3	As a user, I want to view my profile completion percentage	2	Medium
4	As a user, I want to receive email notifications for profile updates	4	Medium
5	As a user, I want to be able to delete my account	8	Low

Sprint 1 (Weeks 1-2)
Sprint Goal: Enhance Profile Picture Management
Selected Backlog Items:
Edit profile picture (3 SP)
View profile completion percentage (2 SP)
Total Story Points: 5 SP

Sprint 2 (Weeks 3-4)
Sprint Goal: Enhance Profile Information Management
Selected Backlog Items:
2. Add/remove skills from profile (5 SP)
Receive email notifications for profile updates (4 SP)
Total Story Points: 9 SP

Sprint 3 (Weeks 5-6)
Sprint Goal: Enhance Profile Security and Deletion
Selected Backlog Items:

5. Delete account (8 SP)
Total Story Points: 8 SP

Agile Planning Process

Envision: Identify project goals, stakeholders, and team members.
Speculate: Create initial requirements, brainstorm features, and identify milestones.
Explore: Work on project milestones, iterating and exploring alternatives.
Adapt: Review delivered results, adapt to changes, and incorporate feedback.
Close: Review final project, measure against requirements, and document lessons learned.

Agile Methodology

Scrum Framework: Emphasizes teamwork, accountability, and iterative progress.
User Stories: Focus on end-user needs, with tasks broken down into smaller, manageable chunks.
Story Points: Estimate task complexity using a relative scale (e.g., Fibonacci sequence).
Prioritization: Prioritize backlog items based on business value, complexity, and customer needs.
Sprint Planning: Teams decide on work for each sprint, ensuring a balanced workload.
Daily Stand-ups: Team members share progress, plans, and obstacles.
Retrospectives: Teams reflect on processes, identifying areas for improvement.

Communication Plan:

Daily Stand-up Meetings (15 minutes)
Weekly Team Meetings (30 minutes)
Issue Tracking Tool (e.g., Jira, Trello)

Success Measurement:

Completion of user stories within the iteration

User feedback on the new feature
Improved user experience based on feature implementation.

By following this Agile project plan, the development team can deliver a new software feature that enhances user profile management, with a focus on iterative improvement and customer satisfaction.

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 incorpore a solution into the communication flow.

Here is a script for a Daily Standup meeting for the development team working on the software feature from the Agile Project Planning exercise:

Daily Standup Meeting Script

Scrum Master:

Good morning everyone, welcome to today's daily standup meeting. Let's go around the room and have each person answer the following three questions:

1.What did you work on yesterday?

2.What will you work on today?

3.Are there any blockers or impediments preventing you from making progress?

Developer 1:

Yesterday I worked on implementing the user authentication functionality for the login page, as outlined in user story #3. I completed the backend API and started on the frontend UI.

Today I will finish the frontend UI for the login page and write unit tests to ensure it's working as expected.

I'm waiting on the API documentation from the backend team to know how to properly integrate with their endpoints. This is blocking me from completing the login functionality.

Developer 2:

I spent yesterday refining the product backlog and updating the story points for each item based on our planning poker session. I also started working on the user profile page from story #5.

Today I will continue working on the user profile page, focusing on the edit functionality. I also plan to start on the user settings page from story #6.

No blockers for me currently.

Product Owner:

I reviewed the updated product backlog and prioritized the user stories based on business value. I also had a meeting with the stakeholders to get their feedback on the project plan.

Today I will work on writing acceptance criteria for the user stories in the current sprint. I also need to schedule a demo with the stakeholders to showcase the progress so far.

I'm concerned about the scope creep we're seeing from the stakeholders. We need to have a discussion about managing expectations and sticking to the agreed upon requirements.

Scrum Master:

Yesterday I worked on updating the Kanban board and facilitating the daily standup meeting. I also helped unblock the frontend team by providing the API documentation they needed.

Today I will work on identifying and removing any impediments that come up during the day. I also need to schedule the sprint retrospective meeting for next week.

I'm worried about the team's velocity slowing down due to the unexpected issues that have come up. We need to discuss ways to improve our process and get back on track.

Scrum Master:

Thank you everyone for the updates. A few key takeaways:

We need to get the API documentation to the frontend team ASAP to unblock their progress

The product owner will work on acceptance criteria and scheduling a stakeholder demo

The scrum master will focus on removing impediments and improving the team's velocity

We will discuss scope creep and process improvements at the next retrospective meeting.