Assignment – 4

(Agile methdologies)

Prakash Manikanta Irrinki
Prakashnaidu9494@gmail.com

ASSIGNMENT 1:

<mark>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.</mark>

Project Overview:

Project Title: Task Management Dashboard Enhancement

Project Goal: Improve the task management dashboard to enhance user experience and productivity.

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

Product Backlog:

Backlog Item	User Story	Story Points	Priority
1	I want to filter tasks by priority so that I can focus on the most important ones first.	3	High
2	I want to be able to add attachment to tasks for better content and collaboration.	1	High
3	I want to receive notification for upcoming task deadline to say organisation.	2	Low
4	I want to have a kanban board view for visualizing task progress.	4	Medium

Sprint 1:
Sprint Goal: implement attachment feature for tasks.
Selected Backlog Items: Develop task history functionality.
Setup basic notification system for task deadline.

Sprint 2:
Sprint Goal: Integrate task filtering by priority.
Selected Backlog Items: Implement kanban board view for tasks.
Refine notification system and improve user experience.

Sprint 3:
Sprint Goal: Conduct testing and bug fixes.
Selected Backlog Items: Gather user feedback for future improvements.
Finalize documentation for release.

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 Task management dashboard enhancement, with a focus on iterative improvement and customer satisfaction.

ASSIGNMENT 2:

<mark>Daily Stand-up Simulation - Write a script for a Daily Stand-up 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.</mark>

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

Daily Stand-up Meeting Script

Scrum Master:

Good morning everyone, welcome to today's daily stand-up meeting. We will follow our usual formulate share what you accomplished yesterday, what you plane to trickle today.

Team member 1:

Morning everyone. Yesterday, I completed implementing the attachment feature for tasks. Today, I will be working on refining the task history functionality.

Team member 2:

Hi, team. Yesterday, I made progress on setting up the notification system for task deadline. Today, I will plan to integrate the task filtering by priority feature

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 stand-up 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.

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.