Assignment -4

1) Agile Project Planning - Create a one-page project plan for a newsoftware feature using Agile planning techniques. Include backlog items with estimated story points and a prioritized list of user stories.

Feature Name: Task Management System
Objective: Develop a feature that allows users to create, assign, and track tasks within a project management tool.

Product Backlog:

ID	User Story	Story Points	Priority
1	As a user, I want to create a new task so that I can keep track of work to be done.	5	High
2	As a user, I want to assign tasks to team members so that responsibilities are clear.	5	High
3	As a user, I want to set due dates for tasks so that deadlines are managed.	3	High
4	As a user, I want to update the status of a task (e.g., To Do, In Progress, Done) so that progress is visible.	5	Medium
5	As a user, I want to add comments to tasks so that I can communicate updates or issues.	3	Medium

Sprint Planning

Sprint Duration: **2 weeks**
Team Velocity: **20 Story Points per Sprint**

Sprint 1 Plan

Goal: Implement core task creation and assignment features.

ID	User Story	Story Points	Notes
1	As a user, I want to create a new task.	5	Core functionality for task management.
2	As a user, I want to assign tasks to team members.	5	Essential for team collaboration.
3	As a user, I want to set due dates for tasks.	3	Important for managing deadlines.
4	As a user, I want to update the status of a task.	5	Improves visibility of progress

Total Story Points: 18

Sprint 2 Plan

Goal: Enhance task management with communication and prioritization features.

ID	User Story	Story Points	Notes
5	As a user, I want to add comments to tasks.	3	Enhances communication.
6	As a user, I want to prioritize tasks.	3	Helps focus on important tasks.
8	As a user, I want to receive notifications for task updates and deadlines.	5	Keeps users informed.
9	As a user, I want to attach files to tasks.	5	Provides easy access to relevant documents.

Total Story Points: 16

Release Date: End of Sprint 2

Included Features:

- **Task creation**
- **Task assignment**
- **Due date setting**
- **Task status updates**
- **Comments on tasks**

Future Considerations: Additional sprints may focus on advanced reporting, integration with other project management tools, and additional user feedback-driven enhancements.

Notes

- **Dependencies:** Ensure backend support for task data storage, user management, and notification systems.
- **Risks:** Potential delays due to integration challenges with existing systems; prioritize resolving critical bugs during each sprint.
- **Testing:** Include unit tests, integration tests, and user acceptance testing (UAT) for each implemented feature.

Team Members:

- **Scrum Master:** Sarah
- **Developer 1:** John
- **Developer 2:** Emma
- **QA Tester:** Mike

ProductOwner: Lisa

Scrum Master (Sarah): Good morning, team! Let's start our daily standup. We'll go around and each share what we worked on yesterday, what we're planning to work on today, and any blockers or challenges we're facing. Let's keep it brief. John, you can start.

Developer 1 (John):

- **Yesterday:** I finished implementing the task creation functionality and pushed the changes to the repository.
- **Today:** I'll be working on the task assignment feature, making sure that tasks can be assigned to specific team members.
- **Blockers:** No blockers at the moment.

Scrum Master (Sarah): Great progress, John. Emma, your turn.

Developer 2 (Emma):

- **Yesterday:** I integrated the due date setting feature with the task creation module.
- **Today:** I plan to start working on the task status update feature, allowing users to change the status of a task.
- **Blockers:** I'm having some trouble with the status update transitions; the UI isn't reflecting the changes properly.

Scrum Master (Sarah): Thanks for bringing that up, Emma. Mike, can you help Emma with this issue after the standup?

QA Tester (Mike):

- **Yesterday:** I completed testing the task creation and due date setting features.

- **Today:** I'll be starting on testing the task assignment functionality that John completed.
- **Blockers:** No blockers right now, but I can definitely help Emma after the standup.

Scrum Master (Sarah): Perfect. Let's work together to resolve the UI issue. Lisa, can you provide any updates or insights from the product side?

Product Owner (Lisa):

- **Yesterday:** I reviewed the user stories and started preparing acceptance criteria for the upcoming sprint.
- **Today:** I'll finalize the acceptance criteria and prioritize the backlog based on the latest feedback from stakeholders.
- **Blockers:** No blockers, but I want to highlight the importance of the task status update feature for our users. Ensuring this works smoothly is critical.

Scrum Master (Sarah): Thanks, Lisa. It's good to have that perspective. Just to recap, John is progressing well with task assignment, Emma will continue with task status updates, and Mike will start testing the task assignment. Mike will also assist Emma with the UI issue. Let's aim to have a quick sync-up later today to check on the status update problem. Does anyone else have anything to add?

- **Developer 1 (John):** No, all good here.

- **Developer 2 (Emma):** No, that covers everything.

- **QA Tester (Mike):** Nothing else from me.

- **Product Owner (Lisa):** All set.

Scrum Master (Sarah): Great. Thanks, everyone. Let's have a productive day and meet again tomorrow. Remember, Emma and Mike, let's touch base at 2 PM to work through the UI issue. Have a great day!