Assignment1: 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 Name: Agile Task Scheduler

Feature Description: Let's create a new feature for our productivity application - an Agile Task Scheduler. This feature will empower users to manage their tasks efficiently within our app.

Backlog Items:

1. **Adding New Tasks (3 story points):**

   - Users should be able to easily add new tasks with titles and descriptions. This lays the foundation for organizing their work effectively.

2. **Setting Due Dates (2 story points):**

   - Users need the ability to set due dates for their tasks. This helps them manage their time more effectively and stay on top of deadlines.

3. **Prioritizing Tasks (3 story points):**

   - Users want to prioritize tasks based on their importance. This allows them to focus on what matters most and ensures critical tasks are completed first.

4. **Marking Tasks as Completed (2 story points):**

   - Users should be able to mark tasks as completed once they're done. This provides a sense of accomplishment and helps users track their progress.

5. **Viewing Task List (3 story points):**

   - Users need to see a list of all their tasks. This provides an overview of their workload and helps them plan their day effectively.

6. **Editing Existing Tasks (3 story points):**

   - Users want the ability to edit tasks they've already created. This allows them to make changes or updates as needed without starting from scratch.

7. **Deleting Tasks (2 story points):**

   - Users should be able to delete tasks that are no longer relevant or necessary. This keeps their task list clean and organized.

8. **Categorizing Tasks (5 story points):**

   - Users want to categorize tasks into different groups or categories. This helps them organize their tasks based on projects, priorities, or other criteria.

9. **Filtering Tasks by Categories (3 story points):**

   - Users need the ability to filter tasks based on categories. This allows them to focus on specific types of tasks and streamline their workflow.

Prioritized User Stories:

-> As a user, I want to add a new task with a title and description so that I can organize my work effectively. (3 SP)

-> As a user, I want to prioritize tasks so that I can focus on important tasks first. (3 SP)

-> As a user, I want to categorize tasks into different categories so that I can easily find and manage them. (5 SP)

-> As a user, I want to set a due date for a task so that I can manage my time efficiently. (2 SP)

-> As a user, I want to view a list of tasks so that I can see an overview of my upcoming tasks. (3 SP)

-> As a user, I want to edit an existing task so that I can make changes as needed. (3 SP)

-> As a user, I want to mark tasks as completed so that I can track my progress. (2 SP)

-> As a user, I want to delete a task so that I can remove unnecessary or completed tasks. (2 SP)

-> As a user, I want to filter tasks based on categories so that I can focus on specific types of tasks. (3 SP)

Project Timeline:

- Sprint 1 (2 weeks):

  - Sprint Goal: Basic Task Management

  - Backlog Items: 1, 2, 4, 5

- Sprint 2 (2 weeks):

  - Sprint Goal: Enhanced Task Management

  - Backlog Items: 3, 6, 7

- Sprint 3 (2 weeks):

  - Sprint Goal: Advanced Task Management

  - Backlog Items: 8, 9

-> Story points are estimates of the relative effort required for each backlog item.

-> Prioritization of user stories ensures that the most valuable features are delivered early in the project.

-> Sprints are time-boxed iterations of development work, allowing for iterative delivery and continuous improvement.

Assignment2: 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.

Featuring -> 1. Scrum Master

        2. Developer1 (John)

        3. Developer2 (Joe)

        4. Developer3 (Michael)

Scrum Master: Good morning, team! Let's get started with our Daily Standup meeting. As always, let's go around and each share our updates, what we're working on today, and if there are any blockers.

John: Morning, everyone. Yesterday, I completed the task of adding new tasks with titles and descriptions. Today, I'll be focusing on implementing the ability to set due dates for tasks.

Scrum Master: Great progress, John! Adding due dates will certainly enhance the functionality of our feature. Any blockers?

John: Actually, yes. I've run into some issues with the date formatting library we're using. It's causing unexpected behaviour when users try to input dates. I've tried troubleshooting it, but I'm still stuck.

Scrum Master: Thanks for raising that, John. Let's make sure to address that blocker promptly. In the meantime, is there anything the rest of the team can assist with?

Joe: I might be able to help with that. I've worked with a similar library in the past and could take a look at it after the standup.

Scrum Master: That's fantastic, Joe. Collaboration like this is exactly what we need to overcome challenges efficiently. Let's make sure to sync up after the meeting to coordinate efforts.

Joe: Sounds good.

Scrum Master: Excellent. Now, Michael, how about you?

Michael: Yesterday, I focused on prioritizing tasks based on user input. Today, I'll be refining the task prioritization logic and adding some UI enhancements to make it more intuitive.

Scrum Master: Wonderful progress, Michael. Prioritizing tasks is crucial for our users to manage their workload effectively. Any blockers on your end?

Michael: No blockers for me at the moment. Everything seems to be going smoothly.

Scrum Master: That's great to hear. Now, before we conclude, let's address the blocker John mentioned earlier. Joe has graciously offered to lend a hand, which is fantastic. Let's ensure we communicate and collaborate effectively to resolve this issue. Remember, our team's strength lies in our ability to support each other and overcome challenges together.

Team: Absolutely.

Scrum Master: Alright, let's keep up the positive momentum and continue making progress on our tasks. If anyone encounters any obstacles or needs assistance, don't hesitate to reach out. Our collective effort will ensure the success of our project. Have a productive day, everyone!