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 name is food delivery app.

Agile project plan : Food delivery App

Project Objective : Enhance the search functionality in the food delivery app to improve user experience.

Backlog Items(prioritized):

1. **User Story** :As a customer , I want to search for restaurants based on cuisine type.
   Story point:5
   Task1:Design UI for cuisine-based restaurants search.
   Task2: Implement backend API endpoints for retrieving restaurants based on cuisine Type.
   Task3: Develop fronted components for displaying search results.
   Task 4: Integrate backend and frontend components for cuisine-based search.

2. User Story : As a Customer , I want to search for restaurants based on location.
   Story point : 3
   Task1:Design UI for location-based restaurants search.
   Task2: Implement backend API endpoints for retrieving restaurants based on location
   Task3: Develop fronted components for displaying search results.
   Task 4: Integrate backend and frontend components for location-based search

3. **User Story** : As a Customer, I want to search for restaurants based on ratings and reviews.
   Story point : 5

   Task1:Design UI for rating and review based restaurants search.
   Task2: Implement backend API endpoints for retrieving restaurants based on rating and review.
   Task3: Develop fronted components for displaying search results.
   Task 4: Integrate backend and frontend components for rating and review based search.

4. **User Story**: As a Customer, I want to search for specific dishes or menu items across all restaurants.
   Story point : 8

   Task1:Design UI for dish/menu item-based restaurants search.
   Task2: Implement backend API endpoints for retrieving restaurants based on specific dish or menu items.
   Task3: Develop fronted components for displaying search results.
   Task 4: Integrate backend and frontend components for dish/menu item-based search.

5. **User Story :** As a Customer, I want to see relevant search suggestions as I type in the search bar.
   Story point : 8
   Task1:Design UI for search suggestions feature.
   Task2: Implement backend API endpoints for providing search suggestions.

   Task3: Develop fronted components for displaying search suggestions.
   Task 4: Integrate backend and frontend components for search suggestions.

Sprint 1:

Focus: Implement basic order tracking functionality
Backlog Items: 1, 2
Duration: 2 weeks

Sprint 2:

Focus: Enhance Searching options based on review and rating
Backlog Items:3,4
Duration: 2 weeks

Sprint 3:

Focus: Implement relevant search suggestions as we type something.
Backlog Items: 5
Duration: 2 weeks

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 incorporate a solution into the communication flow.

Daily Standup Meeting Script:

[Team gathers around in a circle or virtually for the daily standup meeting. The Scrum Master or team lead starts the meeting.]

Scrum Master: Good morning everyone! Let's kick off our daily standup meeting. Today, we'll focus on our progress towards enhancing the search functionality in our food delivery app.

[Each team member takes turns to provide their update.]

Developer 1:

Yesterday, I worked on designing the UI for cuisine-based restaurant search. It's coming along well, but I encountered some challenges with integrating the design elements smoothly with our existing UI components.

Today, I plan to collaborate with the frontend team to ensure a seamless integration and address any design inconsistencies.

Developer 2:

Yesterday, I implemented backend API endpoints for retrieving restaurants based on location. The endpoints are functional, but I ran into some issues with optimizing the query performance for large datasets.
Today, I'll focus on fine-tuning the query performance and conducting thorough testing to ensure the reliability of the location-based search feature.
Developer 3:

Yesterday, I completed the frontend components for displaying search results based on ratings and reviews. However, during testing, I noticed that the sorting algorithm for displaying search results needs improvement.
Today, I'll refactor the sorting algorithm to prioritize restaurants with higher ratings and incorporate user feedback into the design.
[As the team members provide their updates, the Scrum Master takes note of any challenges or impediments that need to be addressed.]

Scrum Master: Thank you, everyone, for your updates. It's great to see the progress we've made so far. However, it seems like we're encountering some common challenges such as integration issues, performance optimizations, and algorithm improvements.

[The Scrum Master proposes a solution to address these challenges.]

Scrum Master: To address these challenges more effectively, let's schedule a brief sync-up session after the standup where we can collaborate and brainstorm solutions together. We'll allocate specific time slots for each challenge and assign team members to work on them collaboratively.

[The team members nod in agreement.]

Scrum Master: Additionally, let's continue to communicate openly and transparently about any roadblocks or issues we encounter. Remember, we're here to support each other and ensure the success of our sprint goals.

[The meeting concludes with the team feeling motivated and empowered to tackle the challenges ahead.]

Scrum Master: That wraps up our standup for today. Let's have a productive day and keep the momentum going. If anyone needs assistance or guidance, feel free to reach out. Have a great day, everyone!

[The team members disperse to start their day, feeling confident and motivated to overcome challenges and achieve their sprint goals.]