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.

Agile Project Plan: Table Reservation Feature

Project Name:

Restaurant Management System - Table Reservation

Project Goal:

To develop a table reservation feature that allows customers to reserve tables online and helps restaurant staff manage reservations efficiently.

Project Team:

Product Owner: thanuja

Scrum Master: devis

Development Team: eshwar, naveen, varun

Backlog Items:

User Stories:

1. As a customer, I want to search for available tables on a specific date and time.
   - Estimated Story Points: 5
2. As a customer, I want to select a table and make a reservation.
   - Estimated Story Points: 8
3. As a customer, I want to receive a confirmation email after making a reservation.
   - Estimated Story Points: 3
4. As a restaurant staff member, I want to view and manage reservations in a centralized dashboard.
   - Estimated Story Points: 13

Technical Tasks:

1. Implement backend logic for table availability search.
   - Estimated Story Points: 8
2. Develop frontend interface for table selection and reservation.
   - Estimated Story Points: 10
3. Set up email notification system for reservation confirmation.
   - Estimated Story Points: 5
4. Create admin dashboard for reservation management.
   - Estimated Story Points: 13

Prioritized User Stories:

1. As a customer, I want to select a table and make a reservation.
2. As a restaurant staff member, I want to view and manage reservations in a centralized dashboard.
3. As a customer, I want to search for available tables on a specific date and time.
4. As a customer, I want to receive a confirmation email after making a reservation.

Sprint Planning:

Sprint Duration: 3 weeks

Sprint Goal: Implement table reservation functionality for customers and basic reservation management for staff.

Selected User Stories for Sprint 1:

1. Select a table and make a reservation.
2. View and manage reservations in a centralized dashboard.

Release Planning:

Release Date: [Date]

Release Scope: Complete table reservation feature with customer and staff functionality, including email notifications and admin dashboard.

Risks and Dependencies:

Integration with existing restaurant management system may require additional effort.

Dependency on third-party APIs for email notifications.

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

Standup meetings

Scrum Master: Good morning everyone, let's start our daily standup meeting. Let's go around the room and share what we did yesterday, what we plan to do today, and if there are any blockers or challenges we're facing.

Developer 1: Yesterday, I completed the development of the trip creation feature and started working on the destination search and selection functionality. Today, I plan to finish the destination search and selection feature and start integrating it with the activity and booking APIs. I don't have any blockers at the moment.

Developer 2: Yesterday, I worked on the activity and booking integration feature and completed the integration with the activity API. Today, I plan to integrate the booking API and test the functionality. I don't have any blockers at the moment.

Developer 3: Yesterday, I worked on the trip itinerary view feature and completed the day view functionality. Today, I plan to work on the destination view functionality and test the itinerary view feature. However, I'm facing a challenge with the filtering functionality. I'm not sure how to implement it in a way that's user-friendly and efficient.

Scrum Master: Thank you for sharing, Developer 3. I suggest we have a quick brainstorming session after the standup meeting to discuss the filtering functionality and come up with a solution. In the meantime, let's continue with the standup meeting.

Developer 4: Yesterday, I worked on the sharing functionality and completed the email sharing feature. Today, I plan to work on the social media and messaging app sharing features. I don't have any blockers at the moment.

Developer 5: Yesterday, I worked on the notification and reminder system and completed the reminder functionality. Today, I plan to work on the notification functionality and test the system. I don't have any blockers at the moment.

Scrum Master: Thank you everyone for sharing. It looks like we're making good progress on the trip planning feature. Let's continue to work together and support each other to overcome any challenges that come our way.

Developer 3: Thank you, Scrum Master. I appreciate the support and look forward to the brainstorming session.

Scrum Master: Great, let's wrap up the standup meeting and move on to the brainstorming session.

Daily Standup Meeting Script

[Team gathers in a designated area or virtual meeting room]

Facilitator: Good morning, team! Let's kick off our daily standup meeting. Today, let's focus on the progress of implementing the user registration feature. Who would like to start?

Developer 1: Morning, everyone. Yesterday, I worked on designing the user registration form. I've completed the initial design and incorporated essential fields such as username, email, and password. However, I encountered a difficulty with ensuring the form's responsiveness across different screen sizes. Today, I plan to address this challenge and finalize the design before starting with the frontend implementation. No other blockers.

Facilitator: Thank you for sharing, [Developer 1]. Ensuring responsiveness is crucial for providing a seamless user experience. Take your time to resolve the issue, and feel free to collaborate with [Developer 2] if needed.

Developer 2: Good morning, team. Yesterday, I focused on developing the backend logic for user registration. I've implemented the necessary APIs for handling user registration requests and validating input data. However, I faced a challenge with optimizing database queries for improved performance, especially during peak load times. Today, I'll explore optimization techniques and fine-tune the database queries. No other blockers.

Facilitator: I appreciate your transparency, [Developer 2]. Optimizing database queries is essential for maintaining system performance. Consider leveraging indexing and caching mechanisms to improve query efficiency. Let's ensure the backend performs optimally to support our frontend requirements.

Developer 1:** Agreed, [Facilitator]. I'll coordinate closely with [Developer 2] to ensure frontend and backend components align seamlessly.

Facilitator: Excellent collaboration, team. Remember, tackling challenges together strengthens our solutions. Keep up the great work, and don't hesitate to reach out if you need support. Let's strive for a successful integration of the user registration feature. Meeting adjourned.

[Team members proceed with their tasks, ready to overcome challenges together.]