SDLC-Assignment 03

Question 01: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.

Answer:

Project Name: E-commerce Platform Payment Gateway Integration

Project Vision: To integrate a secure and efficient payment gateway into the e-commerce platform to streamline the checkout process for users and increase conversion rates.

Project Objectives:

- Enhance user experience by providing multiple payment options and a seamless checkout process.
- Increase conversion rates by reducing cart abandonment through a reliable and secure payment gateway.
- Improve platform credibility by ensuring the security of users' financial information.

Backlog Items:

User Story : As a user, I want to add items to the cart

Estimated Story Point: 3

User Story: As a user, I want to select payment method

Estimated Story Point: 5

User Story: As a user, I want to enter payment details

Estimated Story Point: 5

User Story: As a user, I want to receive payment confirmation

Estimated Story Point: 3

User Story: As an admin, I want to view transaction history

Estimated Story Point: 3

Prioritized List of User Stories:

1. As a user, I want to select payment method
2. As a user, I want to enter payment details
3. As a user, I want to add items to the cart
4. As a user, I want to receive payment confirmation
5. As an admin, I want to view transaction history

Question 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.

Answer:

Facilitator: Good morning team! Let's begin our daily standup meeting. Remember, this is an opportunity to update each other on progress and any blockers you may be facing. Let's keep it focused and efficient.

Team Member 1: I'll start. Yesterday, I completed the frontend integration for selecting payment methods. Today, I'll be working on enhancing the UI for entering payment details.

Team Member 2: Yesterday, I worked on configuring the backend for processing payments. Today, I'll continue testing the payment flow to ensure smooth functionality.

Team Member 3: Yesterday, I encountered an issue with the payment gateway API, but I managed to debug it. Today, I'll be documenting the integration process for future reference.

Facilitator: Thank you for the updates, team. It's great to see progress despite challenges. Now, let's address a common challenge: ensuring data security during payment transactions. Let's schedule a brief security review meeting after this standup to ensure compliance with industry standards and best practices.

Team Member 1: That sounds like a crucial step. I'll make sure to prioritize security measures in my tasks.

Team Member 2: Absolutely, security is paramount, especially when handling sensitive data. I'll be available for the security review meeting.

Facilitator: Fantastic! Let's continue to prioritize security and collaboration as we move forward. If anyone encounters any blockers throughout the day, don't hesitate to reach out for assistance. That wraps up our standup for today. Let's make it a productive day!