Agile Assignment

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.

Agile Project Plan - Food Ordering App - Payment Integration

Project Goal: Integrate a secure payment gateway into the existing food ordering app to enable users to pay for their orders seamlessly.

Success Criteria:

- Users can securely enter and store payment information within the app.
- Users can complete orders by selecting their preferred payment method.
- Integration with a reputable payment gateway ensures secure transactions.
- Functionality is thoroughly tested and free of bugs.

Backlog Items (Estimated Story Points):

- High Priority (13 points):
    - Implement secure payment form for credit card information (5 points)
    - Integrate with chosen payment gateway API (4 points)
    - Develop functionality to process user payments (3 points)
    - Update UI to display available payment methods (1 point)
- Medium Priority (8 points):
    - Implement user authentication for secure payment storage (4 points)
    - Offer multiple payment options (credit card, debit card) (2 points)
    - Design and implement a confirmation screen for successful payments (2 points)
- Low Priority (5 points):
    - Integrate with a secondary payment gateway (optional) (3 points)
    - Implement recurring payment functionality (e.g., subscriptions) (2 points)

Prioritized User Stories:

1. As a user, I want to securely enter my credit card information within the app so I can pay for my food orders. (5 points)
2. As a user, I want to see a list of available payment methods (e.g., credit card, debit card) so I can choose my preferred option. (1 point)
3. As a user, I want to be able to complete my order by selecting my preferred payment method and confirming the payment. (3 points)
4. As a user, I want to receive a confirmation screen after successfully completing my payment. (2 points)

Next Steps:

1. Conduct a technical feasibility study for integrating with chosen payment gateway. (Not a user story)
2. Design mockups for the secure payment form and payment confirmation screen. (Not a user story)
3. Schedule a Sprint Planning meeting with the development team to estimate effort and assign tasks for the highest priority user stories.
4. Conduct daily stand-up meetings to track progress and address any roadblocks.

This is a high-level plan to get started. The backlog and user stories will be continuously refined and updated as the project progresses based on ongoing development and user feedback.