

**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.**

## **E-commerce Checkout Optimization**

**Project Name:** E-commerce Checkout Optimization

**Objective:** Improve the checkout process to increase conversion rates and enhance user satisfaction.

### **Backlog Items:**

- User Story: As a user, I want to have a guest checkout option to complete purchases quickly.  
Story Points: 5
- User Story: As a user, I want to save multiple shipping addresses for convenience.  
Story Points: 8
- User Story: As a user, I want to apply discount codes during checkout.  
Story Points: 5
- User Story: As a user, I want to see an estimated delivery date before completing the purchase.  
Story Points: 3
- User Story: As a user, I want to have multiple payment options (credit card, PayPal, etc.).  
Story Points: 8

### **Prioritized List of User Stories:**

- User Story: As a user, I want to have a guest checkout option to complete purchases quickly.
- User Story: As a user, I want to have multiple payment options (credit card, PayPal, etc.).
- User Story: As a user, I want to save multiple shipping addresses for convenience.
- User Story: As a user, I want to apply discount codes during checkout.
- User Story: As a user, I want to see an estimated delivery date before completing the purchase.

**Sprint Duration:** 2 weeks

**Sprint Goal:** Implement key features to streamline the checkout process and increase user convenience.

**Selected User Stories:**

As a user, I want to have a guest checkout option to complete purchases quickly. (5 SP)

As a user, I want to have multiple payment options (credit card, PayPal, etc.). (8 SP)

**Additional Tasks:**

Implement guest checkout functionality.

Integrate multiple payment gateways.

**Sprint Review:**

Demonstrate guest checkout feature and payment options integration.

Gather feedback from stakeholders and users for further refinement.

**Note:** Prioritization is based on streamlining the checkout process for both new and returning customers, focusing on reducing friction points and providing flexibility in payment and shipping options.

**Assignment 2: Daily Standup Simulation - Write a script for a Daily Standup meeting for a development team working on the software feature from e-commerce check out optimization . Address a common challenge and incorporate a solution into the communication flow.**

E-commerce check out optimization

Team Members:

- Shankar-Team Lead
- Jayashree –Developer 1
- Nishant- Developer 2
- Swathi – Developer 3
- Gokul – Developer 4

- Priya – Developer 5

Team Lead: Good morning team! Let's begin our daily standup meeting. Today, we'll focus on our progress with the e-commerce checkout optimization feature. Each team member will provide an update on their tasks, any challenges they're facing, and if they require any assistance. Let's keep it brief to maximize our time.

Developer 1: Hi everyone. Yesterday, I implemented the new streamlined checkout flow with improved loading times. Today, I plan to conduct some performance tests to ensure it's working efficiently. No blockers from my end.

Team Lead: Excellent work, Developer 1. Performance testing is crucial for ensuring a smooth user experience. Keep us updated on your findings.

Developer 2: Good morning team. Yesterday, I worked on integrating the payment gateway into the checkout process. However, I encountered an issue with the API authentication, which is causing delays in the integration process.

Team Lead: Thank you for sharing, Developer 2. API authentication issues can be tricky. Have you reached out to the payment gateway provider for support?

Developer 2: Not yet, but I'll do that right after the standup meeting.

Team Lead: Great. In the meantime, if anyone has experience with similar authentication challenges or can offer assistance, please reach out to Developer 2. Let's ensure we resolve this issue swiftly.

Developer 3: Hi everyone. Yesterday, I began optimizing the UI/UX design for the checkout process to make it more intuitive for users. Today, I'll be conducting user testing to gather feedback for further improvements.

Team Lead: User testing is crucial for identifying any pain points in the checkout process. Keep up the great work, Developer 3. If you need any additional resources or support for user testing, let me know.

Developer 4: Good morning team. Yesterday, I focused on implementing the order summary feature to provide users with a clear overview of their purchases before checkout. Today, I'll be refining the layout based on feedback from the design team.

Team Lead: Thank you, Developer 4. Collaboration with the design team is key to ensuring a cohesive user experience. Keep iterating based on their feedback to deliver a polished feature.

Team Lead: Before we conclude, does anyone have any other updates, questions, or concerns they'd like to share?

Developer 5: I'd like to highlight a potential risk. Our deployment pipeline encountered some issues yesterday, causing delays in pushing updates to the staging environment. If unresolved, this could impact our testing and ultimately, our release timeline.

Team Lead: Thank you for bringing that to our attention, Developer 5. Let's prioritize resolving the deployment pipeline issues to minimize any disruptions to our workflow. I'll coordinate with our DevOps team to expedite the resolution.

Team Lead: Alright team, it seems we have some action items to address today. Let's stay proactive, collaborate effectively, and support each other to overcome any challenges. Have a productive day, everyone!

Team: Thank you, [Team Lead]. Have a great day!