

## Assignment4

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**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:** Shopping Cart Feature in E-Commerce Website

→**Key Stakeholders:**

- Product Owner
- Scrum Master
- Developers

**Duration::** Sprints (2 weeks per Sprint)

**Sprint Schedule**

- Sprint 1: May 15 - May 28
- Sprint 2: May 29 - June 11

**Product Backlog:**

**Backlog Item | Story Points**

As a User, I want to be able to add products to a shopping cart so that I can purchase multiple items at once. 8

As a user, I want to be able to view the contents of my shopping cart so that I can review the items before checkout. 5

As a user, I want to be able to remove items from my shopping cart so that I can update my order. 3

As a user, I want to be able to update the quantities of items in my shopping cart so that I can adjust my order. 5

As a user, I want to be able to see the total cost of my order in the shopping cart so that I can understand the full price before checkout. 3

As a user, I want to be able to proceed to checkout from the shopping cart so that I can complete my purchase. 8

**Prioritized User Stories:**

1. As a user, I want to be able to add products to a shopping cart so that I can purchase multiple items at once.

- User can select products from the product catalog and add them to a shopping cart.
- Shopping cart persists across page reloads and user sessions.
- User can continue browsing and adding items to the cart.

2. As a user, I want to be able to view the contents of my shopping cart so that I can review the items before checkout.

- User can access a dedicated shopping cart page that displays all items in the cart.
- Cart shows product details (name, image, price, quantity) for each item.
- Cart displays the subtotal and estimated shipping costs (if applicable).

3. As a user, I want to be able to remove items from my shopping cart so that I can update my order.

- User can remove individual items from the shopping cart.
- Cart updates automatically to reflect the new total.

4. As a user, I want to be able to update the quantities of items in my shopping cart so that I can adjust my order.

- User can increase or decrease the quantity of each item in the cart.
- Cart updates automatically to reflect the new total.

5. As a user, I want to be able to see the total cost of my order in the shopping cart so that I can understand the full price before checkout.

- Cart displays a line item for subtotal, taxes (if applicable), shipping costs (if applicable), and the grand total.
- Grand total is updated dynamically as items or quantities change.

6. As a user, I want to be able to proceed to checkout from the shopping cart so that I can complete my purchase.

- User can initiate the checkout process from the shopping cart page.
- Shopping cart contents are transferred to the checkout flow.

**Assignment2 - 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.**

Participants:

- Scrum Master: Emily
- Front-end Developer: Samantha
- Back-end Developer: Tom
- UI/UX Designer: Michael
- QA Engineer: Jasmine

Scrum Master: Good morning, everyone! Let's get our daily standup started. Frontend Developer, would you like to begin?

Front-end Developer: Sure, Scrum Master. Yesterday, I worked on implementing the functionality to add products to the shopping cart. Today, I plan to work on the user story for viewing the cart contents. I'm facing a challenge with integrating the shopping cart data with our existing user authentication and session management system.

Scrum Master: Okay, thanks for bringing that up, Front end Developer. We'll discuss a potential solution after hearing from everyone else. Backend Developer, you're next.

Back-end Developer: Yesterday, I set up the server-side endpoints for handling shopping cart operations. Today, I'll be working on the user story for calculating the order totals, including taxes and shipping costs. No blockers from my end at the moment.

Scrum Master: Great, thanks, Backend Developer. Ui/Ux Designer, what's your update?

UI/UX Designer: Yesterday, I finalized the wireframes and UI designs for the shopping cart feature. Today, I'll be working on the visual designs for the cart page and the cart summary section. I'm a bit concerned about ensuring a consistent and user-friendly experience across different device types and screen sizes.

Scrum Master: Noted, Ui/Ux Designer. We'll make sure to allocate time for you to collaborate with Frontend Developer on the responsive design aspects. QA Engineer, what about you?

QA Engineer: Yesterday, I started testing the functionality for adding and removing items from the shopping cart. Today, I'll be focusing on testing the cart totals calculation and the checkout flow integration. I'll keep you all posted if I encounter any critical issues.

Scrum Master:\*\* Thanks, QA Engineer. Appreciate your thorough testing efforts.

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Scrum Master: Perfect. Thank you all for your updates and contributions. If there are no further points, let's wrap up this standup and get cracking on today's tasks. Remember, our goal is to have the core shopping cart functionality ready for user testing by the end of the week. Let me know if you need any support or have any other blockers.