

# Project Name: E-commerce Website

## Project Description:

E-commerce website where users can browse products, add them to a cart, and proceed to checkout.

Agile Methodology: Scrum

## 1. Backlog Creation:

- Create a product backlog with essential features and user stories.

Product Backlog:

1. User can view a list of products
2. User can view details of a product
3. User can add a product to the cart
4. User can view the contents of the cart
5. User can remove a product from the cart
6. User can proceed to checkout
7. User can review and confirm the order
8. User can receive a confirmation email after placing the order

## 2. Sprint Planning:

- Plan two-week sprints focusing on delivering working increments.
- Select user stories from the product backlog based on priority and estimated effort.

Sprint 1:

- Select backlog items 1, 2, 3
- Sprint Goal: Basic product browsing and cart functionality

Sprint 2:

- Select backlog items 4, 5, 6
- Sprint Goal: Cart management and checkout process

Sprint 3:

- Select backlog items 7, 8
- Sprint Goal: Order confirmation and email notifications

### **3. Estimation:**

- Estimate effort for each user story using story points.

Story Points Estimation:

1. User can view a list of products - 2 story points
2. User can view details of a product - 3 story points
3. User can add a product to the cart - 5 story points
4. User can view the contents of the cart - 3 story points
5. User can remove a product from the cart - 3 story points
6. User can proceed to checkout - 5 story points
7. User can review and confirm the order - 3 story points
8. User can receive a confirmation email after placing the order - 2 story points

### **4. Execution:**

- Development begins according to the sprint plan.
- Daily standup meetings track progress and address impediments.

5. Review and Retrospective:

- Conduct sprint review and retrospective at the end of each sprint.
- Gather feedback and identify areas for improvement.

This plan follows the Agile principles of iterative development, continuous improvement, and delivering value to users. It allows for flexibility to adapt to changing requirements and priorities throughout the project.