Planning logic

Sprint: A fixed period where a team works on completing specific tasks

Epic: A large task split into multiple sprints (e.g., User Module, Seller Dashboard)

Story: A smaller task within an Epic

Story Points: Represents effort required (e.g., 1, 2, 3, 5, 8... based on Fibonacci series)

Sprint 1:

Epic: User Interface and Authentication

- User Registration Page – 2

- User Login Functionality – 1

- Product Browsing by Category – 3

- Product Search Bar – 2
  Total Story Points in Sprint 1 = 8

Sprint 2:

Epic: Cart & Checkout System

- Add to Cart Function – 2
- View & Update Cart – 2
- Checkout Process – 3
- Payment Gateway Integration – 5
  Total Story Points in Sprint 2 = 12

Sprint 3:

Epic: Seller and Admin Panel

- Seller Dashboard Setup – 3
- Product Management by Seller – 2
- Admin Login and Dashboard – 2
- User/Seller Management by Admin – 3

  Total Story Points in Sprint 3 = 10

Sprint 4:

Epic: Additional Features & Enhancements

- Chatbot Integration – 2
- Voice Search Setup – 3
- Order Status Tracking – 2
- Performance Optimization & Final Testing – 3

   Total Story Points in Sprint 4 = 10

- **Total Story Points Completed:** 8 + 12 + 10 + 10 = **40**

- **Number of Sprints:** 4

- **Velocity:**
   Velocity = 40 / 10 Story Points per Sprint

   Average Velocity

- **Total Duration of Project:** 22 March 2025 – 12 April 2025 = **22 days**

- **Velocity:** 10 story points/sprint

- **Average Velocity = Sprint Duration / Velocity**
            22 / 10=2.2 days per story point