

A Sprint fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task. It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

- 1- Very Easy task
- 2- Easy task
- 3- Moderate task
- 5- Difficult task

Sprint 1 (5 Days)

Epic: Project Setup & Basic UI

Create Project Repo and Setup – 1 (Story)

Initialize Bootstrap + React – 2 (Story)

Set up basic page routing (Home, Login, Signup) – 3 (Story)

Epic: Authentication System

Design Login and Signup UI – 2 (Story)

Setup JWT-based Auth (Node + Express) – 5 (Story)

Total Story Points (Sprint 1) = 1 + 2 + 3 + 2 + 5 = 13

Sprint 2 (5 Days)

Epic: Product System

Product Schema + Backend API – 3 (Story)

Add Product UI (Admin Side) – 2 (Story)

Product Card UI on Frontend (User Side) – 2 (Story)

Epic: Cart System

Add to Cart Functionality (Frontend) – 2 (Story)

Cart Page UI + Quantity Management – 3 (Story)

Cart API on Backend (Node) – 3 (Story)

Total Story Points (Sprint 2) = 3 + 2 + 2 + 2 + 3 + 3 = 15

Sprint 3 (5 Days)

Epic: Checkout & Payment

Checkout Page UI – 2 (Story)

Order Schema + Backend API – 3 (Story)

Integrate Payment Gateway – 5 (Story)

Epic: Order History & Admin Panel

User Order History Page – 3 (Story)

Admin Order View + Status Update – 3 (Story)

Total Story Points (Sprint 3) = 2 + 3 + 5 + 3 + 3 = 16

Sprint	Total Story Points
Sprint 1	13
Sprint 2	15
Sprint 3	16
Total	44

Velocity = Total Story Points / Number of Sprints

Velocity = $44 / 3 = 14.67$ (Approx. **15 Story Points per Sprint**)