

A **Sprint** is a fixed period during which the cosmetics analytics team works to complete a set of tasks.

An **Epic** is a large feature or initiative, such as building a recommendation engine or deploying the platform, which is divided into smaller **Stories**.

Each **Story** represents a specific task and is measured in **Story Points** based on effort (typically using the Fibonacci series).

Sprint 1: Data Preparation (5 Days)

Epic: Cosmetics Data Collection & Cleaning

- **Story:** Collect product and customer data from various sources – 2 SP
- **Story:** Load and unify structured/unstructured data formats – 2 SP
- **Story:** Handle missing values (e.g., product prices, ratings) – 3 SP
- **Story:** Encode categorical variables (e.g., product type, skin type) – 2 SP

Total Story Points: 9

Sprint 2: Model Development & Deployment (5 Days)

Epic: Analytics & Recommendation Engine

- **Story:** Train ML models for personalized product recommendations – 5 SP
- **Story:** Evaluate model accuracy using validation data – 3 SP

Epic: Web Platform Deployment

- **Story:** Design HTML pages for product display & user feedback – 3 SP
- **Story:** Deploy using Flask + integrate model backend – 5 SP

Total Story Points: 16

Summary

- **Total Story Points:** 9 (Sprint 1) + 16 (Sprint 2) = **25**
- **No. of Sprints:** 2
- **Velocity:** $25 / 2 = 12.5$ **Story Points/Sprint**