# Project Planning Logic

A **Sprint** is a fixed period of time during which a team works to complete a set of tasks.
An **Epic** is a large body of work that cannot be completed in a single sprint and is broken down into smaller tasks called **User Stories**.
A **User Story (Story)** represents a small, manageable task that contributes to completing an epic.
A **Story Point** is a measure of effort required to complete a story. Story points are estimated using the Fibonacci series.

Story Point Scale

- **1** – Very Easy Task
- **2** – Normal Task
- **3** – Moderate Task
- **5** – Difficult Task

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Sprint 1

Epic 1: Data Collection

- Gathering Startup Data (USN1) – **2**
- Loading Data into System (USN2) – **1**

Epic 2: Data Preparation

- Handling Missing Values (USN3) – **3**
- Creating Required Fields (USN4) – **3**
- Handling Data Inconsistencies (USN5) – **3**

**Total Story Points in Sprint 1:**
2 + 1 + 3 + 3 + 3 = **12**

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Sprint 2

Epic 3: Data Visualization

- Bar Chart Visualization (USN6) – **2**
- Pie Chart Visualization (USN7) – **2**
- Line Chart Visualization (USN8) – **2**
- Map-Based Visualization (USN9) – **4**

Epic 4: Dashboard Development

- Developing Interactive Dashboard (USN10) – **5**

Epic 5: Story Development

- Developing Analytical Story (USN11) – **5**

**Total Story Points in Sprint 2:**
2 + 2 + 2 + 4 + 5 + 5 = **20**

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Total Story Points

| Sprint | Story Points |
| --- | --- |
| Sprint 1 | 12 |
| Sprint 2 | 20 |
| **Total** | **32** |

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Velocity Calculation

**Velocity = Total Story Points Completed / Number of Sprints**

- Total Story Points = 12 + 20 = **32**
- Number of Sprints = **2**

**Velocity = 32 / 2 = 16**