

## **Sprint Planning – Heart Disease Analysis Project**

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

An Epic is a big task or feature that is too large to complete in one sprint. It is broken down into smaller tasks (stories).

A Story is a small task that is part of an Epic.

A Story Point is a number that represents how much effort a story takes to complete (Fibonacci series used: 1, 2, 3, 5).

1 – Very Easy task

2 – Easy task

3 – Moderate task

5 – Difficult task

Story Point Scale – 5 (1, 2, 3, 5)

---

### **Sprint 1**

#### **Data Preparation & Visualization (Epic 1)**

Import Heart Disease Dataset (USN1) – 2

Clean and Structure Dataset (USN2) – 3

Create Basic Visualizations (USN3) – 3

#### **Dashboard & Story Creation (Epic 2)**

Design Interactive Dashboard (USN4) – 5

Add Filters (Age, BMI, Smoking, etc.) (USN5) – 3

Create Story for Insight Presentation (USN6) – 2

**Total Story Points in Sprint 1 =**

$2 + 3 + 3 + 5 + 3 + 2 = 18$

---

### **Sprint 2**

#### **Web Integration (Epic 3)**

Setup Flask Project Structure (USN7) – 2

Embed Tableau Dashboard in Flask (USN8) – 3

#### **Testing & Optimization (Epic 4)**

Dashboard Testing & Validation (USN9) – 3

Improve UI and Layout (USN10) – 2

### **Deployment & Documentation (Epic 5)**

Publish Dashboard on Tableau Public (USN11) – 3

Complete Documentation & Final Submission (USN12) – 5

### **Total Story Points in Sprint 2 =**

$$2 + 3 + 3 + 2 + 3 + 5 = 18$$

---

### **Total Story Points**

Sprint 1 = 18

Sprint 2 = 18

Total Story Points = 18 + 18 = **36**

Number of Sprints = 2

---

### **Velocity Calculation**

Velocity = Total Story Points Completed / Number of Sprints

$$\text{Velocity} = 36 / 2$$

Velocity = **18 Story Points per Sprint**

Your team's velocity is approximately **18 Story Points per Sprint**.