

# Planning Logic

## Definitions

- Sprint: A fixed time period (usually 5–10 days) during which a team completes a set of tasks.
- Epic: A large user story or feature that cannot be completed in a single sprint and is broken into smaller Stories.
- Story: A manageable unit of work within an Epic.
- Story Point: A numeric value indicating the effort or complexity involved, often based on the Fibonacci sequence (1, 2, 3, 5, 8...).

## Sprint 1 (Duration: 5 Days)

Epic: Data Preparation

Task	Story Points	Complexity
Collection of Data	2	Easy
Loading Data	1	Very Easy
Handling Missing Values	3	Moderate
Handling Categorical Values	2	Easy

- Total Story Points (Sprint 1): 8

## Sprint 2 (Duration: 5 Days)

Epic: Model Building & Deployment

Task	Story Points	Complexity
Model Building	5	Difficult
Testing Model	3	Moderate
Working HTML Pages	3	Moderate
Flask Deployment	5	Difficult

- Total Story Points (Sprint 2): 16

# Velocity Calculation

Metric	Value
Total Story Points	8 (Sprint 1) + 16 (Sprint 2) = 24
Number of Sprints	2
Velocity	$24 \div 2 = 12$ Story Points/Sprint

- Team’s Velocity: 12 Story Points per Sprint