Planning Logic

In Agile methodology, planning is based on sprints, epics, stories, and story points to manage project tasks efficiently:

- Sprint: A fixed time frame (usually 5–10 days) during which specific tasks are completed.

- Epic: A large task or feature too big for one sprint; it is broken into multiple stories.

- Story: A smaller, actionable task that is part of an epic.

- Story Point: A unit to estimate the effort needed for each story (commonly following the Fibonacci sequence: 1, 2, 3, 5, 8...).

  - 1 – Very Easy

  - 2 – Easy

  - 3 – Moderate

  - 5 – Difficult

📅 Sprint Breakdown

Sprint 1: Data Collection & Preprocessing (5 Days)

Epic	Story	Story Points	Difficulty
Data Collection	Collection of Data	2	Easy
	Loading Data	1	Very Easy
Data Preprocessing	Handling Missing Values	3	Moderate

	Handling Categorical Values	2	Easy
Total		8 Points	

Sprint 2: Model Building & Deployment (5 Days)

Epic	Story	Story Points	Difficulty
Model Building	Build the Model	5	Difficult
	Test the Model	3	Moderate
Deployment	Create Working HTML Pages	3	Moderate
	Deploy via Flask	5	Difficult
Total		16 Points	

Velocity Calculation

- Total Story Points Completed: 8 (Sprint 1) + 16 (Sprint 2) = 24

- Total Number of Sprints: 2

- Team Velocity = Total Story Points / Number of Sprints

- Velocity = 24 / 2 = 12 Story Points per Sprint