

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

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task . It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete.  
(usually in form of Fibonacci series)

- 1- Very Easy task
- 2- Easy task
- 3- Moderate task
- 5- Difficult task

### *Sprint 1: Core Setup*

<b>Epic</b>	<b>User Story</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Backend Infrastructure	Set up FastAPI server	3	High	Dev1, Dev2
	Integrate IBM Granite LLM	5	High	Dev2
Frontend Basics	Streamlit UI skeleton	2	Medium	Dev3
	API connection testing	2	High	Dev1

**Total Sprint 1 Points:** 12

**Velocity:** 12 points/sprint

---

### *Sprint 2: Feature Development*

Epic	User Story	Story Points	Priority	Team Members
Requirement Analysis	PDF requirement extraction	3	High	Dev2, Dev3
Code Generation	Python code generator	5	High	Dev1
Testing	Unit test generation	3	Medium	Dev3
Documentation	Auto-doc for Python code	1	Low	Dev2

**Total Sprint 2 Points:** 12

---

### *Sprint 3: Polish & Deployment*

Epic	User Story	Story Points	Priority	Team Members
Bug Fixing	AI-assisted debugging	5	High	Dev1, Dev2
Deployment	Docker container setup	3	Medium	Dev3
UX Improvements	Streamlit UI enhancements	2	Low	Dev3

**Total Sprint 3 Points:** 10

Velocity = Total Completed Points / Number of Sprints

$$= (12 + 12 + 10) / 3$$

$$= 11 \text{ points per sprint}$$

Story Point Distribution

