

HealthAI: Intelligent Healthcare Assistant Using IBM Granite

This includes:

- **Epics, Stories, and Story Points**
- Estimated in **Fibonacci effort points** (1, 2, 3, 5, 8, 13...)

Sprint Planning Overview

Epics:

1. Model Integration & Architecture
2. Core Feature Development
3. Frontend Interface
4. Deployment & Testing

Sprint 1: (5 Days)

Focus: **Model Integration & Core Backend**

Epic 1: Model Integration & Architecture

Story	Story Points
Research IBM Granite model	2
Set up API Key & environment configs	1

Epic 2: Core Feature Development

Story	Story Points
Create Patient Registration system (MySQL)	2
Store Vitals & Symptoms in database	2
Integrate Hugging Face for disease prediction	3

Total Story Points (Sprint 1) = 10

Sprint 2: (5 Days)

Focus: **Frontend, Health Analytics, and Deployment**

Epic 3: Frontend Interface

Story	Story Points
Build Streamlit UI for registration + vitals	2
Design health metric visualizations (charts)	3
Add disease prediction display interface	3

Epic 4: Deployment & Testing

Story	Story Points
Implement secure .env configuration	1
Deploy to Streamlit Cloud (or localhost)	3
Testing & bug fixes across pages	2

Total Story Points (Sprint 2) = 14

Summary

Sprint	Story Points
Sprint 1	10
Sprint 2	14
Total	24

Velocity Calculation

Velocity = Total Story Points Completed / Number of Sprints

- Total Story Points = 10 (Sprint 1) + 14 (Sprint 2) = **24**
- Number of Sprints = **2**

Velocity = 24 / 2 = 12 Story Points/Sprint

Story Point Difficulty Mapping

Difficulty Level	Story Points
Very Easy	1
Easy	2
Moderate	3
Difficult	5+