

## Sprint Planning – HealthAI Project

### Agile Key Terms:

- **Sprint:** A fixed period (5 days) in which the team completes planned tasks
  - **Epic:** A large feature or module (e.g., Patient Chat or Disease Prediction)
  - **Story:** A small, manageable task that contributes to an Epic
  - **Story Point:** A value (based on effort) assigned to each story — commonly using the Fibonacci series (1, 2, 3, 5, 8...)
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### Sprint 1: Model Setup & Data Preparation (5 Days)

#### Epic 1: Model & Environment Setup

Story	Story Points
Install dependencies	1
Setup IBM Granite API / model	3

#### Epic 2: Data Preparation

Story	Story Points
Create symptom dataset	2
Generate sample patient profiles	2
Prepare health metrics for plots	2

 **Total Story Points (Sprint 1):** 10

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### Sprint 2: Core Features Development (5 Days)

#### Epic 3: Patient Chat Module

Story	Story Points
Design UI for chat	2
Integrate chat with Granite model	3
Display chat history	2

#### Epic 4: Disease Prediction

Story	Story Points
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Create symptom input interface	2
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Generate prediction output logic	3
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#### Epic 5: Treatment Plans

Story	Story Points
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Input form for treatment	2
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Prompt and display plan	3
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 **Total Story Points (Sprint 2): 17**

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### Sprint 3: Visualization & Deployment (5 Days)

#### Epic 6: Health Analytics Dashboard

Story	Story Points
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Plot heart rate, BP, glucose	3
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Display trend summary & insights	2
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#### Epic 7: Deployment

Story	Story Points
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Setup Streamlit UI layout	3
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Deploy with Hugging Face	4
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 **Total Story Points (Sprint 3): 12**

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#### Team Velocity Calculation

-  **Total Story Points = 10 (Sprint 1) + 17 (Sprint 2) + 12 (Sprint 3) = 39**
-  **Number of Sprints = 3**
-  **Velocity =  $39 \div 3 = 13$  Story Points per Sprint**