**HealthAI: Intelligent Healthcare Assistant Using IBM Granite**

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| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID34448 |
| Project Name | HealthAI: Intelligent Healthcare Assistant using IBM Granite |
| Maximum Marks | 5 Marks |

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## 🩺 ****HealthAI: Intelligent Healthcare Assistant Using IBM Granite****

### ✅ ****Product Backlog & Sprint Schedule****

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register for HealthAI by entering my email, password, and confirming my password. | 2 | High |  |
| Sprint-1 |  | USN-2 | As a user, I will receive a confirmation email once I have registered. | 1 | High |  |
| Sprint-1 |  | USN-4 | As a user, I can register using my Gmail account. | 2 | Medium |  |
| Sprint-2 |  | USN-3 | As a user, I can register using Facebook. | 2 | Low |  |
| Sprint-1 | Login | USN-5 | As a user, I can log into HealthAI using my email and password. | 1 | High |  |
| Sprint-2 | AI Dashboard | USN-6 | As a user, I can view my health status and suggested actions on a dashboard powered by IBM Granite insights. | 5 | High |  |
| Sprint-2 | Symptom Checker | USN-7 | As a user, I can input my symptoms and receive AI-generated possible conditions and recommendations. | 6 | High |  |
| Sprint-3 | Chatbot Consultation | USN-8 | As a user, I can consult with the AI assistant via chat for healthcare advice. | 7 | Medium |  |
| Sprint-3 | History Tracking | USN-9 | As a user, I can view and manage my consultation history and medical reports. | 6 | Medium |  |
| Sprint-4 | Doctor Connect | USN-10 | As a user, I can schedule appointments with doctors if AI recommends professional help. | 7 | Medium |  |

### 📊 ****Project Tracker, Velocity & Burndown Chart****

#### Sprint Overview

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | TBD | TBD |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | TBD | TBD |

### ⚙️ ****Velocity****

* **Sprint Duration**: 6 Days
* **Total Story Points (Per Sprint)**: 20
* **Average Velocity** (Story Points/Day):

Velocity=20 story points6 days=3.33 story points/day\text{Velocity} = \frac{20 \text{ story points}}{6 \text{ days}} = 3.33 \text{ story points/day}Velocity=6 days20 story points​=3.33 story points/day

### 📉 ****Burndown Chart (Concept)****

A burndown chart would look like this over a 6-day sprint (based on 20 points):

| **Day** | **Ideal Remaining Points** | **Actual Remaining Points (Sprint-1)** |
| --- | --- | --- |
| Day 0 | 20 | 20 |
| Day 1 | 16.67 | 17 |
| Day 2 | 13.33 | 13 |
| Day 3 | 10.00 | 10 |
| Day 4 | 6.67 | 7 |
| Day 5 | 3.33 | 3 |
| Day 6 | 0 | 0 |

The chart visualizes team progress — ideally a downward slope to zero. Any deviation shows over/underperformance or blockers.

### 📚 ****References & Resources****

* Atlassian Agile Tutorials
* [Scrum Burndown Chart](https://www.visual-paradigm.com/scrum/scrum-burndown-chart)
* IBM Granite Overview
* Agile Methodology for AI Projects: Adapted from Scrum best practices.