**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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| --- | --- |
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID36168 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Epic** | **User Story #** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint‑1 | Registration & Login | USN‑1 | As a user, I can register via email with password confirmation. | 2 | High | Tumma Sri Naga Venkata Yasaswi, Manikanta Koduri |
| Sprint‑1 | Registration & Login | USN‑2 | As a user, I will receive a confirmation email after registering. | 1 | High | Manikanta Koduri |
| Sprint‑1 | Registration & Login | USN‑5 | As a user, I can log into the app using email & password. | 1 | High | Tumma Sri Naga Venkata Yasaswi |
| Sprint‑2 | Registration & Login | USN‑3 | As a user, I can register using Facebook. | 2 | Low | Maila Rajkumar |
| Sprint‑2 | Registration & Login | USN‑4 | As a user, I can register using Google. | 2 | Medium | Maila Rajkumar |
| Sprint‑2 | **Symptom Tracking** | USN‑6 | As a user, I can enter symptoms (text or voice). | 3 | High | Mummidi Lakshmi Narayana, Manikanta Koduri |
| Sprint‑2 | Symptom Tracking | USN‑7 | As a user, I can upload an image (e.g., rash) for AI analysis. | 3 | Medium | Mummidi Lakshmi Narayana |
| Sprint‑3 | **Disease Identification** | USN‑8 | As a user, I get Top‑3 possible conditions based on my symptoms. | 5 | High | Tumma Sri Naga Venkata Yasaswi, Maila Rajkumar |
| Sprint‑3 | **Wellness Advice & Coaching** | USN‑9 | As a user, I get personalized wellness tips based on age, gender & lifestyle. | 3 | High | Manikanta Koduri, Mummidi Lakshmi Narayana |
| Sprint‑4 | **Home Remedies** | USN‑10 | As a user, I receive 3–5 home remedy suggestions after specifying a condition. | 3 | Medium | Maila Rajkumar, Mummidi Lakshmi Narayana |
| Sprint‑4 | **Reminders** | USN‑11 | As a user, I can create reminders via a calendar and view them. | 3 | High | Tumma Sri Naga Venkata Yasaswi, Manikanta Koduri |
| Sprint‑5 | **API & Security** | USN‑12 | As a system, HealthAI should validate API keys and handle failures gracefully. | 2 | High | Maila Rajkumar |
| Sprint‑5 | **Performance & Load Testing** | USN‑13 | As a product owner, I expect stable response under 10 concurrent users within 5 seconds. | 5 | High | Team Leader (Yasaswi), all team members |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed** | **Sprint Release Date** |
| **Sprint1** | 20 | 6 Days | Jun 12, 2025 | Jun 17, 2025 | 20 | Jun 17, 2025 |
| **Sprint 2** | 20 | 6 Days | Jun 19, 2025 | Jun 24, 2025 | 20 | Jun 24, 2025 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)



**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

[**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)