**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID31916 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 4 Marks |

## Data Flow Diagrams:

Data Flow Diagrams: A Data Flow Diagram (DFD) is a visual representation of how data flows within the Health AI system. It shows inputs, processes, storage, and outputs for health monitoring, diagnostics, or assistance.

Level 0 DFD: Health AI

User → Health AI Platform → Health Analysis Module → Report/Recommendations Generator → Data Storage → Results & Feedback

Level 1 DFD (Simplified Steps):

1. User registers/logs in

2. User enters health data (e.g., symptoms, vitals, history)

3. AI analyzes input data

4. AI generates personalized health insights

5. User views results and recommendations

6. System stores user data and feedback

7. System updates based on user interactions

## User Stories

Use the below template to list all the user stories for the product.

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| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance Criteria** | **Priority** | **Release** |
| Patient | Health Data Input | USN-1 | As a Patient, I can enter my symptoms and health | AI accepts data and responds | High | Sprint-1 |
| Patient | Health Report | USN-2 | As a Patient, I can view a personalized health report | Report is generated recommendations | High | Sprint-1 |
| Patient | History & Tracking | USN-3 | As a patient,  I can save and view my past health records | Health history is retrievable | Medium | Sprint-2 |
| Doctor | Analytics Dashboard | USN-4 | As a doctor, I can view analytics of patient data | Charts and trends are visible | Medium | Sprint-2 |
| Admin | User Management | USN-5 | As an admin, I can manage user accounts and permissions | Can add/edit/delete users or login roles | Low | Sprint-3 |