# Project Design Phase-II

## Data Flow Diagram & User Stories

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| --- | --- |
| Date | 10 June 2025 |
| Team ID | LTVIP2025TMID33677 |
| Project Name | Hematovision |
| Maximum Marks | 4 Marks |

## Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

### Example: DFD Level 0 (Hematovision)

Hematovision is assumed to be a blood-related diagnostics/monitoring application. This example includes general DFD elements like Users, Tests, Report Generation, and Doctors.

| **Source / Entity** | **Process** | **Data Flow Description** | **Destination / Entity** |
| --- | --- | --- | --- |
| Patient | System | Sends test request | System |
| System | Process Request | Processes test request | Lab Module |
| Lab Module | Generate Report | Sends sample results to report generation | Generate Report Module |
| Generate Report | Doctor | Sends final report | Doctor |
| Doctor | - | Views the report | - |
| Generate Report | Patient | Sends results/report | Patient |

## User Stories

Use the below template to list all the user stories for Hematovision:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
| Patient (Mobile App) | Registration | USN-1 | As a patient, I can register by entering email, password, and confirming it | I can access my account/dashboard | High | Sprint-1 |
|  | Registration | USN-2 | As a patient, I can register using my phone number and OTP | I can receive OTP and verify | High | Sprint-1 |
|  | Test Booking | USN-3 | As a patient, I can book a blood test by selecting date/time | Booking is confirmed and shown in dashboard | High | Sprint-1 |
|  | Test Result | USN-4 | As a patient, I can view/download my test results | Results are visible in my account within 48 hours | High | Sprint-2 |
| Doctor | Report Review | USN-5 | As a doctor, I can view patient reports shared with me | I can access full reports and give feedback if needed | Medium | Sprint-2 |
| Lab Technician | Test Management | USN-6 | As a technician, I can update test results for assigned tests | Results are saved and linked to correct patient | High | Sprint-1 |
| Administrator | User Management | USN-7 | As an admin, I can manage users (add, remove, block) | Users are successfully added/removed | Medium | Sprint-2 |
|  | Report Monitoring | USN-8 | As an admin, I can monitor the flow and time of report generation | Admin sees all logs and activity reports | Low | Sprint-3 |