**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID23557 |
| Project Name | ANALYTICS FOR HOSPITALS HEALTH-CARE DATA |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

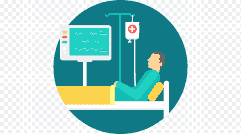
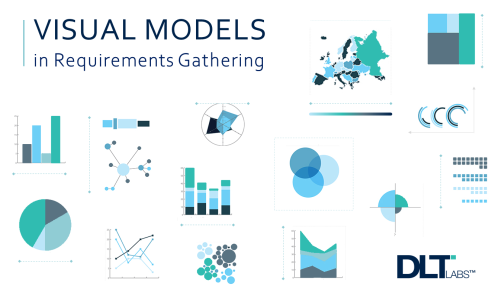
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

**FLOW:**



EXTERNAL

USER



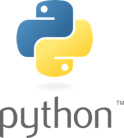
DATA ANALYSIS

3

2

1

DATA



1. Collect the dataset of the patients.
2. Analyse the data by using IBM Cognos Analytics
3. Visualize the data

**DFD LEVEL ZERO:**

PERSONAL INFORMATION

ROOM ALLOCATION

**DATE DISCHARGED**

**DATE ADMITTED**

**PATIENT**

**MANAGEMENT**

RECORD

ATTENDS

APPOINMENT

PATIENT ID

NURSE

DOCTOR

DISCRIPTION

**USER STORIES:**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Customer | Retrieve data | USN-1 | As a user I should get clearer clinical context for cancer patient’s unique case | Oncologists provided with tools to help them personalize their patient’s treatments | High | Sprint-1 |
| Customer | Improve treatment of disease | USN-2 | As a user, I got improved techniques for prevention of disease and identify members who are at risk. | Got precise ways of treating disease | High | Sprint-1 |
| Customer | Reduced wait time | USN-3 | As a user I got reduced patient wait time via improved scheduling and staffing | Wait time of patients reduced | High | Sprint-2 |
| Customer | Detailed EHRs of patient | USN-4 | Provided greater detail in the EHRs of individual patient | EHRS provided in detail | Medium | Sprint-1 |
| Customer | Track of patient’s visit to hospitals | USN-5 | Tracking a patient’s healthcare over years of visits and screening. | Patient visit at hospital recorded periodically | High | Sprint-2 |