Project Design Phase-II
Data Flow Diagram & User Stories

Date	21 October 20223
Team ID	
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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.

DATA FLOW DIAGRAM

Clean and Validate data

Source 1

Source 2

Source n

Data Collection

Normalize

Extract Relevant Features

Age, Sex, Lifestyle, Symptoms

Cholesterol Levels and Blood Pressure

ECG Results

Visualising and Analysing Data

Storing processed data and outputs

User Upload medical reports

Outcomes

High Risk Notification sent

Activate Windows
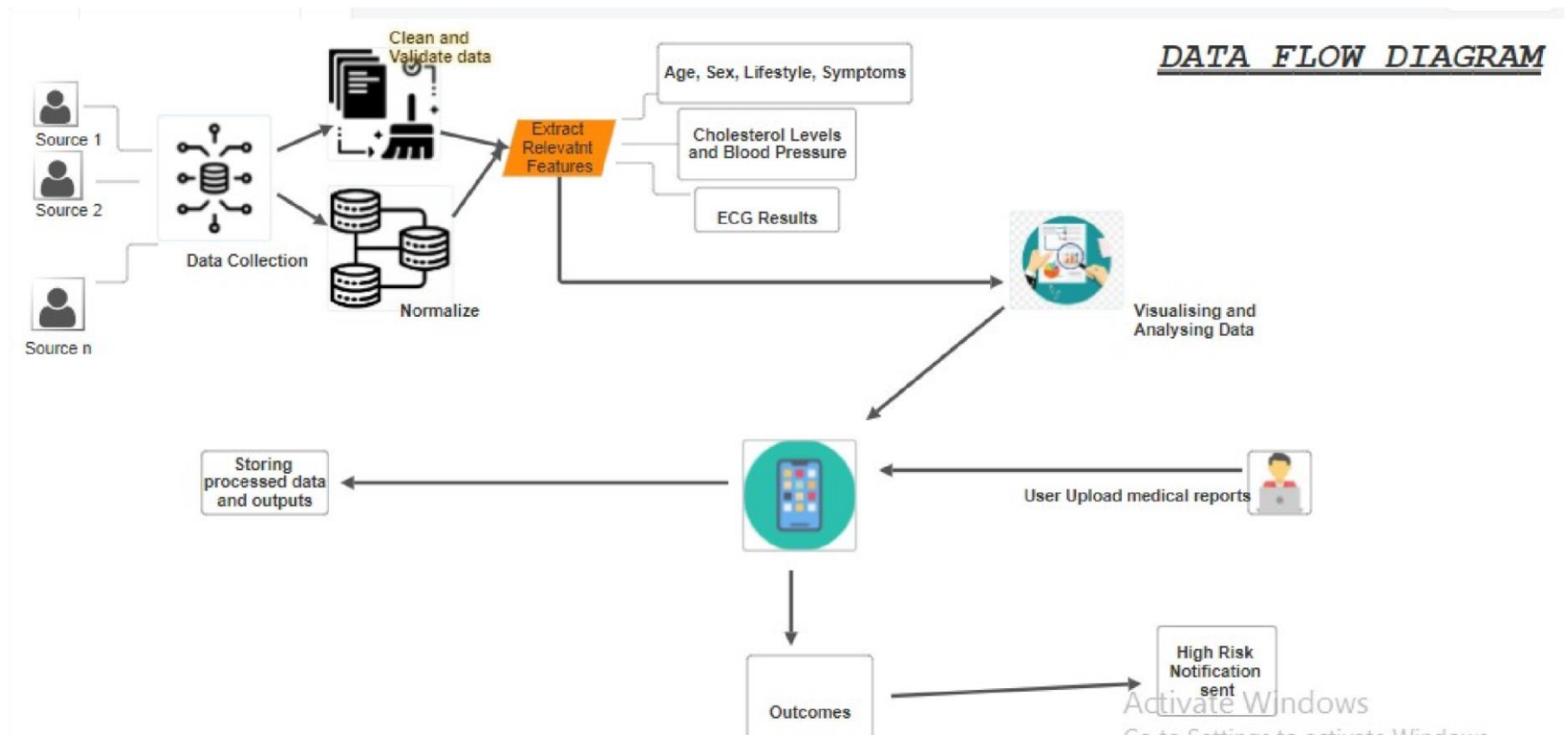
User Stories

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Patient (Mobile user)	Registration	USD-1	As a patient, I can upload my past health information and test results during the registration process.	I can access my uploaded medical records	High	Sprint-1
		USD-2	As a patient, I can create an account by entering my name, age, gender, and contact details.	I can see my health information after registration	High	Sprint-1
	Login	USD-3	As a patient, I can log into my account using my email and a secure password.	I can securely login to my account.	High	Sprint-1
	Dashboard	USD-4	As a patient, I can view my customized health dashboard, which includes vital signs and suggested treatments.	I can view the data on the ECG, blood pressure, and heart rate in real-time which is displayed by dashboard.	High	Sprint-2
Doctor (Web user)	Registration	USD-5	As a doctor, I can sign up by submitting information about my medical license and contact data.	I can access the patient records.	High	Sprint-1
	Login	USD-6	As a doctor, I can log in using my email and a secure password.	I can securely login to my account.	High	Sprint-1
	View Patient Records	USD-7	As a doctor, I can view a patient's medical history and diagnostic data for analysis.	I can view patient data, including ECG reports and medical history.	High	Sprint-2
Administrator	User Management	USD-8	As an administrator, I can manage user accounts by adding, modifying, or deleting user profiles.	I can maintain the integrity of the user database.	High	Sprint-1

	Access Control	USD-9	As an administrator, I can access controls that depend on roles to make sure that only authorized people can read or alter patient records.	I can restrict access to sensitive patient data.	High	Sprint-2