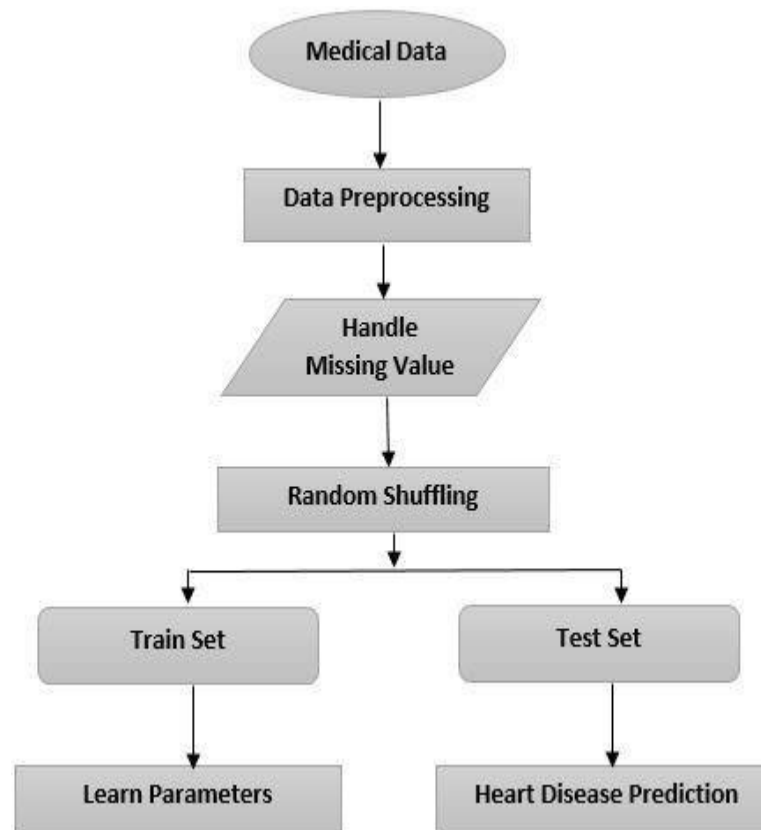


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |  |
|---------------|--|
| Date          | 15 October 2022  |
| Team ID       | PNT2022TMID38367   |
| Project Name  | Visualizing and Predicting Heart Diseases with an Interactive DashBoard. |
| Maximum Marks | 4 Marks  |

**Data Flow Diagram:**



**User stories:**

We use the given template to create user stories for the product.

| User Type           | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria   | Priority | Release  |
|---------------------|-------------------------------|-------------------|---|---|----------|----------|
| Customer (Web user) | System Requirement            | USN-1             | I. Hardware Requirement<br>i. Laptop or PC • I5 processor system or higher<br>• 4 GB RAM or higher<br>• 128 GB ROM or higher Android Phone (12.0 and above) | These are all the specification available in your PC.                                       | High     | Sprint-2 |
|                     |                               | USN-2             | II. Software Requirement<br>iii. Laptop or PC<br>• Windows 10 or higher<br>• Android Studio   | Install your application. This system can be used to predict the presence of heart disease. | Medium   | Sprint-2 |

|                           |              |       |  |   |        |          |
|---------------------------|--------------|-------|--|---|--------|----------|
| Customer<br>(Mobile user) | Registration | USN-3 | As a user, I can register for the application by entering my email, password, and confirming my password | I can access my account / dashboard                                 | High   | Sprint-1 |
|                           |              | USN-4 | As a user, I will receive confirmation email once I have registered for the application                  | I can receive confirmation email & click confirm                    | High   | Sprint-1 |
|                           |              | USN-5 | As a user, I can register for the application through Gmail  | I can register & access the dashboard with Gmail Login              | Medium | Sprint-1 |
|                           | Login        | USN-6 | As a user, I can log into the application by entering email & password                                   | I can register & access the dashboard with Gmail Login              | High   | Sprint-1 |
|                           | Dashboard    | USN-7 | As a user, I can view visualizations and a detailed report after entering my details.                    | I can view the correct results if the details entered are accurate. | High   | Sprint-2 |
|                           |              | USN-8 | Profile - view & update your profile   | I can see the profile.  | High   | Sprint-1 |

|  |  |        |   |   |      |          |
|--|--|--------|---|---|------|----------|
|  |  | USN-9  | Change Password - user can change the password  | I can able to change the password.                        | High | Sprint-1 |
|  |  | USN-10 | Home - Analyze your Heart   | I can detect the health condition from where ever I want. | High | Sprint-1 |
|  |  | USN-11 | The user will have to fill in the below 13 fields for the system to predict a disease -Age in Year -Gender -Chest Pain Type -Fasting Blood Sugar -Resting Electrographic Results(Restecg) -Exercise Induced Angina(Exang) -The slope of the peak exercise ST segment -CA – Number of major vessels colored by fluoroscopy -Thal -Trest Blood Pressure -Serum Cholesterol -Maximum heart rate achieved (Thalach) -ST depression induced by exercise(Oldpeak) | These are the categories available in that application.   | High | Sprint-2 |

|                         |                  |        |  |  |        |          |
|-------------------------|------------------|--------|--|--|--------|----------|
|                         |                  | USN-12 | View Doctors - view doctor detail by searching by names or filter by specialty                       | Using this application, people can know that the speciality doctors.     | Medium | Sprint-1 |
| Customer Care Executive | Helpdesk         | USN-13 | I help the users with any queries and direct any reported issues to the administrator                | I can view the feedback from the users                                   | Medium | Sprint-3 |
| Administrative          | Maintenance      | USN-14 | I make sure all the servers are working properly   | I can check the status of the users                                      | High   | Sprint-3 |
|                         | Relaying queries | USN-15 | I make sure all the reported queries are addressed by delivering the queries to the concerned people | I can make sure there are no issues in the site                          | High   | Sprint-4 |
| Customer Care Executive | Dashboard        | USN-16 | Query  | You can post your queries in the text box available in that application. | High   | Sprint-1 |
|                         |                  | USN-17 | Toll-free  | Ask your doubts in given number(7708024395).                             | High   | Sprint-1 |
|                         |                  | USN-18 | Ratings  | Give your ratings as your wish.  | Medium | Sprint-1 |