Project Design Phase-II
Data Flow Diagram & User Stories

Date	02 November 2022
Team ID	PNT2022TMID31063
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
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.
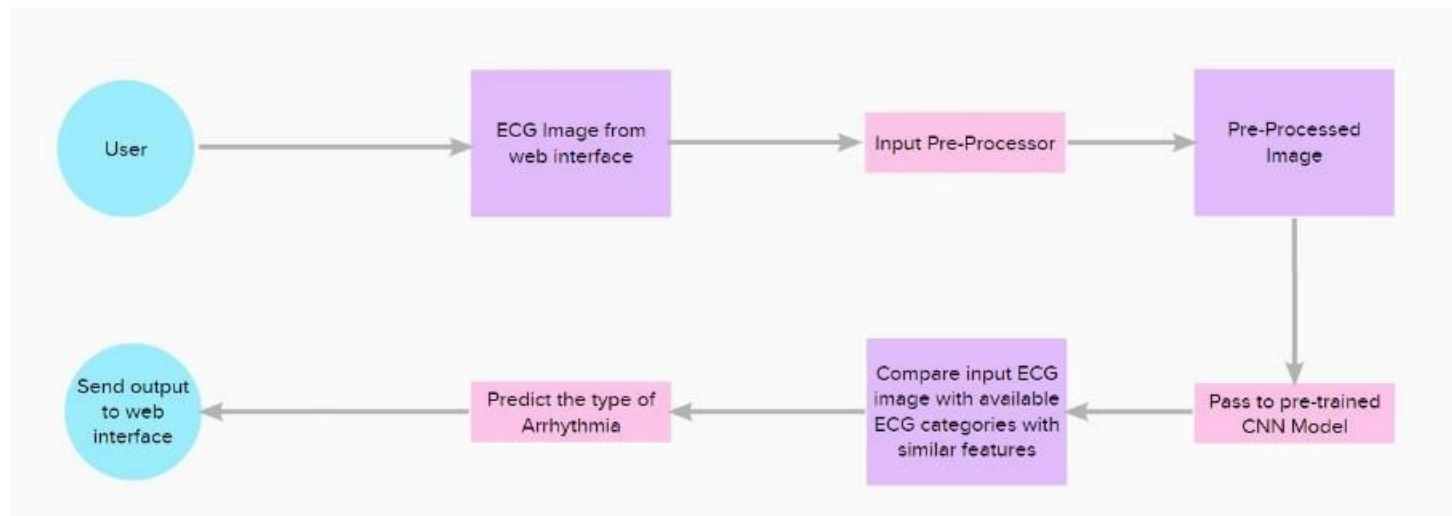
User Stories

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/Doctor (Web User)	Web interface	USN-1	As a user, I can access the web interface	I can login to my account	High	Sprint-1
Patient/Doctor (Web User)	Dashboard	USN-2	As a user, I can access the dashboard/homepage	I can view the homepage	High	Sprint-1
Patient/Doctor (Web User)	Types of Arrhythmia	USN-3	As a user, I can view various articles about different kinds of Arrhythmia	I can view the articles	Low	Sprint-1
Patient/Doctor (Web User)	Page Navigation	USN-4	As a user, I can access several tabs and pages on the interface	I can view different pages and navigate	Medium	Sprint-2
Patient/Doctor (Web User)	Info and About Page	USN-5	As a user, I can see the info and about page for the web interface	I can view the info and about page	Medium	Sprint-2
Patient/Doctor (Web User)	Page to send input	USN-6	As a user, I can see an option to upload input image of ECG	I can view the input page	High	Sprint-3
Patient/Doctor (Web User)	Prediction result page	USN-7	As a user, I can see the predicted result for the given ECG image	I can view the prediction	High	Sprint-3
Patient/Doctor (Web User)	Type of Arrhythmia	USN-8	As a user, I can see the type of Arrhythmia	I can view the type of Arrhythmia page	High	Sprint-3
Patient/Doctor (Web User)	Side-effects page	USN-9	As a user, I can see the various side effects of the predicted Arrhythmia	I can view the side effects page	Low	Sprint-4
Patient/Doctor (Web User)	Prediction history page	USN-10	As a user, I can see the various predictions done in the past	I can view the prediction history page	Medium	Sprint-4
Patient/Doctor (Web User)	Type of CVD page	USN-11	As a user, I can see the predicted type of CVD based on predicted arrhythmia	I can view the type of CVD page	High	Sprint-4
Administrator	Performance metrics	USN-12	As an administrator, I can see the number of people who are using the developed interface	I can view the performance metrics	Medium	Sprint-4