

Project Design Phase-II

Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID34108
Project Name	Project - Classification of arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation
Maximum Marks	4 Marks

User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Developer (Back end)	Cloud Storage	USN-1	The developer must create a storage in cloud for storing customer information	Developer can store the user's information which could be viewed by the users later	High	Sprint-1
Customer (Application User)	User Registration	USN-2	User can register for the application by entering email, application form or phone number	User can access their account/ Dashboard	High	Sprint-1
Customer (Application User)	User Confirmation	USN-3	User will receive a confirmation	User should confirm that it is	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			on email or OTP	them by the given verification code		
Customer (Application User)	User Personal Information	USN-4	User should provide his personal details like name, age, height and weight	If user is open to give his personal details it would be easier for the software to give more suggestions to the user	Medium	Sprint-1
Customer (Application User)	Login	USN-5	User can log into the application by entering email & password	By logging into the application user can access and view their dashboard	High	Sprint-1
Customer (Application User)	Dashboard	USN-6	User must give the heart condition they are suffering with. All the databases collected are	To make it easier for the software to identify and help with their condition	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			displayed to the user			
Developer (Back end)	Cloud	USN-7	Developer must store the image datasets in the cloud	Important for identifying heart condition	High	Sprint-2
Software (Back end)	Training the software	USN-8	The developer must train the software with various datasets and train the system to classify the output	Very important step to give accurate test results	High	Sprint-2
Sensor (External Device)	Measure heart rate	USN-9	The sensors measure the heart rate and display it	Can be used if there is a necessary to measure heart rate	Medium	Sprint-3
Customer (Application User)	Application	USN-10	The classified output is given to the user	The user can access or view report through application, monitor, browser or email	High	Sprint-3

Data Flow Diagrams:

