Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Team ID: PNT2022TMID48997

Faculty Mentor:

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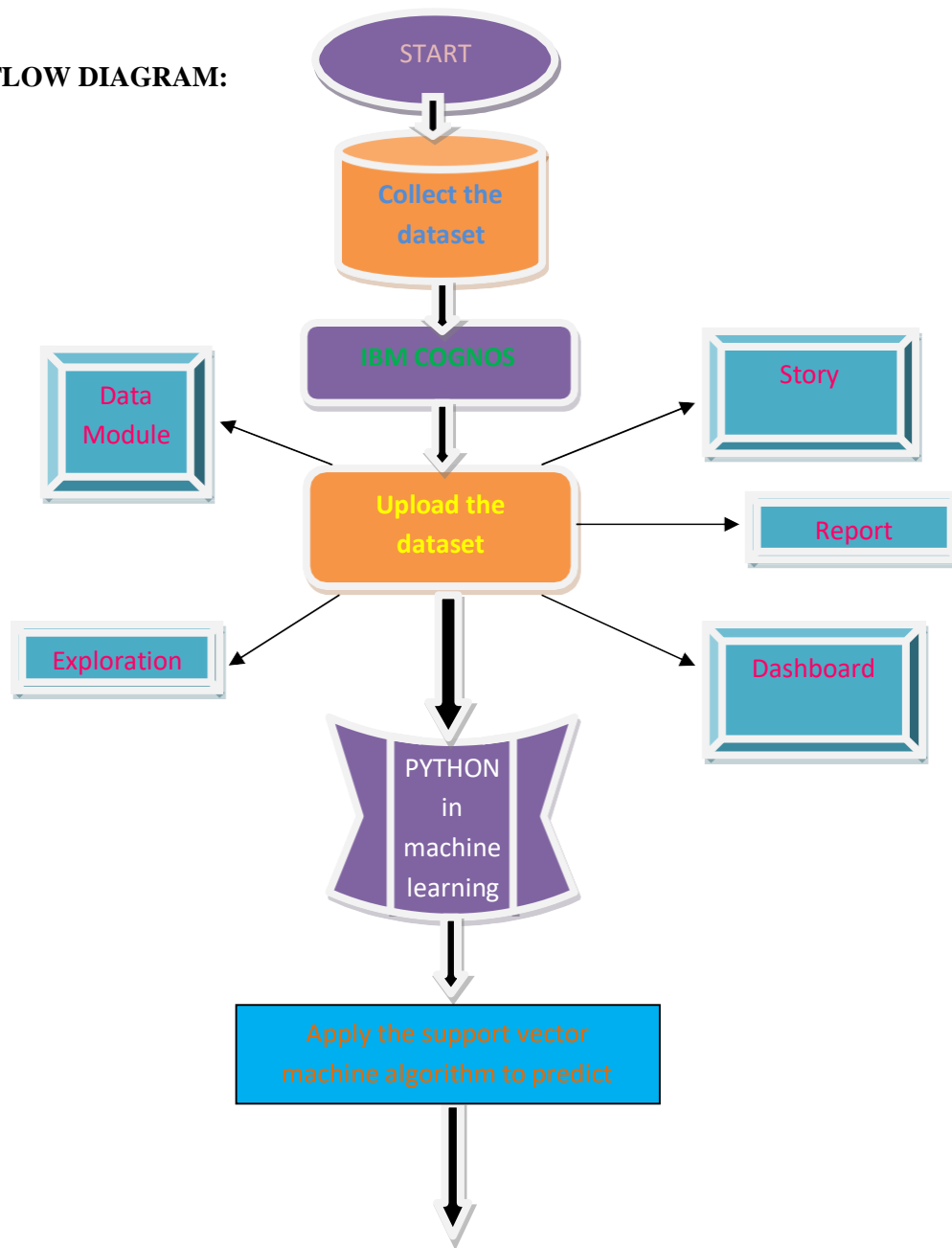
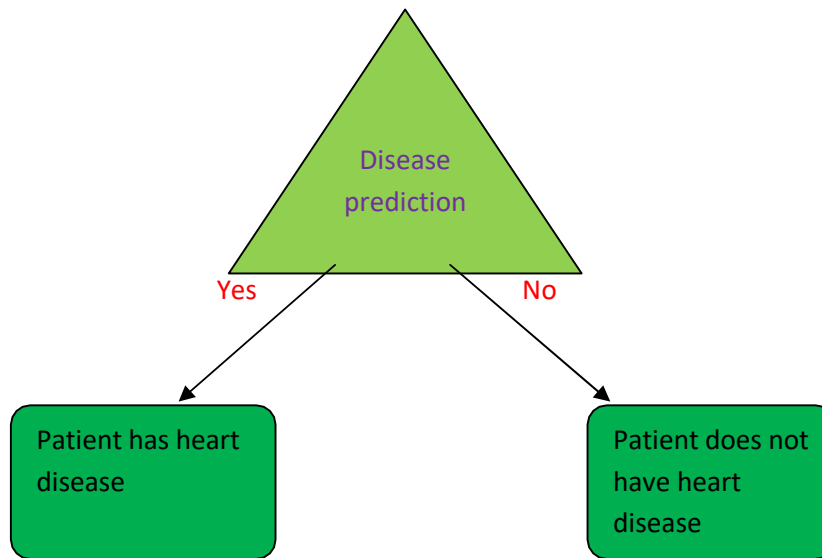Team Leader : J.Anbarasi Mariyapushbam

Team Member : K.Gayathri

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DATA FLOW DIAGRAM:

START

Collect the dataset

IBM COGNOS

Data Module

Story

Upload the dataset

Report

Exploration

Dashboard

PYTHON in machine learning

Apply the support vector machine algorithm to predict

Disease
prediction

Yes   No

Patient has heart
disease

Patient does not
have heart
disease

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
Customer (Mobile user)	Registration	USN-1	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-2	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-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login.	Low	Sprint-2
		USN-4	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-5	As a user, I can log into the application by entering email & password	I can register & access the dashboard	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			with Gmail Login			
	Dashboard	USN-6	Profile - view & update your profile	I can see the profile.	Medium	Sprint-2
		USN-7	Change Password - user can change the password	I can able to change the password.	High	Sprint-1
		USN-8	Home - Analyze your Heart	I can detect the health condition from where ever I want.	High	Sprint-1
		USN-9	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-10	View Doctors - view doctor detail by searching by names or filter by specialty	Using this application, people can known that the speciality doctors.	Medium	Sprint-1
Customer (Web user)	System Requirement	USN-11	I. Hardware Requirement i. Laptop or PC • I5 processor system or higher • 4 GB RAM or higher	These are all the specification available in your PC.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			• 128 GB ROM or higher ii. Android Phone (12.0 and above)			

		USN-12	II. Software Requirement
			
			iii. Laptop or PC
			    • Windows 10 or higher
			    • Android Studio
				Install your application.
				This system can be used to predict the presence of heart disease.
					Medium	Sprint-2

		USN-13	*Reference- https://ieeexplore.ieee.org/document/9619208/*	Go and Check our Reference link.	Medium	Sprint-1
Customer Care Executive	Dashboard	USN-14	Query	You can post your queries in the text box available in that application.	High	Sprint-1
		USN-15	Toll Free	Ask your doubts in given number(8365492107).	High	Sprint-1
		USN-16	Ratings	Give your ratings as your wish.	Medium	Sprint-1
Administrator	Dashboard	USN-17	Verification	Verification through CAPTCHA Verification through I'm not a robot	High	Sprint-1
		USN-18	validation	Reconfirming the new password Sending a two digit number in (Google account) your Old devices, so that you can enter into	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				a new device By entering the two digit number.		
		USN-19	Feedback - send feedback to the Admin.	Please send your feedback to host.	Medium	Sprint-2