Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Date	18 October 2022
Team ID	PNT2022TMID00437
Project Name	Project – Visualisation and prediction of heart disease using interactive dash board.
Maximum Marks	8 Marks

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	1
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Low	4
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	3
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	2

Sprint-2	Dashboard	USN-5	Profile - view & update your profile	2	High	5
Sprint-2		USN-6	Home - Analyze your Heart	2	High	5
Sprint-3		USN-7	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)	2	High	5
		USN-8	User can view the accuracy of occurrence of heart disease	1	Medium	4

Sprint-3	System Requirement	USN-9	I. Hardware Requirement i. Laptop or PC □ I5 processor system or higher	2	High	2
			□ 4 GB RAM or higher □ 128 GB ROM or higher			
Sprint-3		USN-10	II. Software Requirement iii. Laptop or PC • Windows 10 or higher	2	Medium	2
Sprint-4	Administrator	USN-11	As an administrator, he/she can view the customer queries.	1	High	1
		USN-12	Administrator can view the ratings of the customer	2	Medium	2
		USN-13	As a customer care executive, he/she can answer the customer queries.	2	High	2
		USN-14	As an admin, he/she can add or delete users.	1	High	2
		USN-15	Customer Feedback – customers can send feedback to the Admin	2	Medium	3

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19	19 Nov 2022

Project Tracker, Velocity Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$