

## Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Date	17 October 2022
Team ID	PNT2022TMID00437
Project Name	Project – Visualisation and prediction of heart disease using interactive dash board.
Maximum Marks	4 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	<p>The user will have to fill in the below 13 fields for the system to predict a disease</p> <ul style="list-style-type: none"> <li>-Age in Year -Gender</li> <li>-Chest Pain Type</li> <li>-Fasting Blood Sugar</li> <li>-Resting Electrographic Results(Restecg)</li> <li>-Exercise Induced Angina(Exang) -The slope of the peak exercise ST segment</li> <li>-CA – Number of major vessels colored by fluoroscopy</li> <li>-Thal</li> <li>-Trest Blood Pressure</li> <li>-Serum Cholesterol -Maximum heart rate achieved(Thalach) - ST depression induced by exercise(Oldpeak)</li> </ul>	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 <input type="checkbox"/> I5 processor system or higher	2	High	2
			<input type="checkbox"/> 4 GB RAM or higher <input type="checkbox"/> 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)

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

