Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Project Planning Phase

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

Date	***25 October 2022***
Team ID	***PNT2022TMID45815***
Project Title	***Visualizing and Predicting Heart Diseases with an Interactive Dash Board***
Maximum Marks	***2 Marks***

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*	*Latha nandhini*
Sprint-1		*USN-2*	*As a user, I will receive confirmation email once I have registered for the application*	*1*	*High*	*Nanthini*
Sprint-2		*USN-3*	*As a user, I can register for the application through Facebook*	*2*	*Low*	*Selvamani*
Sprint-1		*USN-4*	*As a user, I can register for the application through Gmail*	*2*	*Medium*	*Sneha*
Sprint-1	*Login*	*USN-5*	*As a user, I can log into the application by entering email & password*	*1*	*High*	*Nanthini*
Sprint-2	*Dashboard*	*USN-6*	*Profile - view & update your profile*	*2*	*High*	*Latha nandhini*

Sprint-1		*USN-7*	*Change Password - user can change the password*	*1*	*High*	*Nanthini*
Sprint-1		*USN-8*	*Home - Analyze your Heart*	*2*	*High*	*Selvamani*

Sprint-3		*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* *-Exercise Induced Angina* *-The slope of the peak exercise ST segment* *-CA – Number of major vessels coloured by fluoroscopy* *-Trust Blood Pressure* *-Serum Cholesterol -Maximum heart rate achieved* *-ST depression induced by exercise*	*2*	*High*	*Selvamani*
		USN-10	*View Doctors - view doctor detail by searching by names or filter by specialty*	*1*	*Medium*	*Sneha*
Sprint-3	*System Requirement*	*USN-11*	*Hardware Requirement Laptop or PC I5 processor system or higher*	*2*	*High*	*Nanthini*

			4 GB RAM or higher 128 GB ROM or higher *ii. Android Phone (12.0 and above)*			

Sprint-3		*USN-12*	*II. Software Requirement* *iii. Laptop or PC Windows 10 or higher Android Studio*	*2*	*Medium*	*Nanthini*
Sprint-4	*Dashboard*	*USN-13*	*Query*	*1*	*High*	*Latha nandhini*
		USN-14	*Toll Free*	*1*	*High*	*Latha nandhini*
		USN-15	*Ratings*	*2*	*Medium*	*Sneha*
		USN-16	*Verification*	*2*	*High*	*Nanthini*
		USN-17	*Validation*	*1*	*High*	*Selvamani*
		USN-18	*Feedback – send feedback to the Admin*	*2*	*Medium*	*Nanthini*

Project Tracker, Velocity

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*

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)

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

Reference:

https://ieeexplore.ieee.org/document/9619208/