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

Team Member :I.Boomika

Team Member :M.Jelciya

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	J.Anbarasi Mariyapushbam
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	K.Gayathri
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	I.Boomika
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	High	M.Jelciya
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	J.Anbarasi Mariyapushbam
Sprint-2	Dashboard	USN-6	Profile - view & update your profile	2	High	K.Gayathri
Sprint-1		USN-7	Change Password - user can change the password	1	Low	I.Boomika
Sprint-1		USN-8	Home - Analyze your Heart	2	High	M.Jelciya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
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(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	Medium	J.Anbarasi Mariyapushbam
		USN-10	View Doctors - view doctor detail by searching by names or filter by specialty	1	Medium	K.Gayathri
Sprint-3	System Requirment	USN-11	I. Hardware Requirement i. Laptop or PC • I5 processor system or higher	2	Low	I.Boomika

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			• 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	M.Jelciya
Sprint-4	Dashboard	USN-13	Query	1	High	J.Anbarasi Mariyapushbam
		USN-14	Toll Free	1	High	K.Gayathri
		USN-15	Ratings	2	Medium	I.Boomika
		USN-16	Verification	2	High	M.Jelciya
		USN-17	Validation	1	High	J.Anbarasi Mariyapushbam
		USN-18	Feedback – send feedback to the Admin	2	Medium	K.Gayathri

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	29 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	04 Nov 2022	05 Nov 2022	18	06 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	18 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/