

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

Date	09 November 2022
Team ID	PNT2022TMID45158
Project Name	Project - Visualizing and Predicting Heart Diseases with an interactive Dashboard
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule and Estimation (4 Marks)

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	Nisha.R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Nivetha.M Santha sargunam.A
Sprint-2		USN-3	As a user, I can register for the application through Mobile number	2	Low	Nisha.R Nivetha.M Santha sargunam.M Sneha.S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Nisha.R Vinothini.P Sneha.S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Nisha.R Santha sargunam.A
Sprint-2	Dashboard	USN-6	Profile - view & update your profile	2	High	Nisha.R Nivetha.M Santha sargunam.A Vinothini.P

Sprint-1		USN-7	Change Password - user can change the password	1	High	Nisha.R Nivetha.M
Sprint-1		USN-8	Home - Analyze your Heart	2	High	Nisha.R Nivetha.M Santha sargunam.M Sneha.S
Sprint-3		USN-9	The user will have to fill in the below 13 fieldsfor 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	Nisha.R Sneha.S Nivetha.M Vinothi.P
		USN-10	View Doctors - view doctor detail by searching by names or filter by specialty	1	Medium	Nisha.R Nivetha.M Santha sargunam.M Sneha.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	System Requirement	USN-11	I. Hardware Requirement i. Laptop or PC <ul style="list-style-type: none"> • I5 processor system or higher • 4 GB RAM or higher • 128 GB ROM or higher ii. Android Phone (12.0 and above)	2	High	Nisha.R Sneha.S
Sprint-3		USN-12	II. Software Requirement iii. Laptop or PC <ul style="list-style-type: none"> • Windows 10 or higher • Android Studio 	2	Medium	Santha sargunam.A Nivetha.m
Sprint-2		USN-13	As a user, I can log into the application by entering email & password	2	High	Nisha.R
Sprint-2		USN-14	User can view his/her complete medical analysis and accuracy of disease prediction	2	High	Santha sagunam.A
Sprint-4	Helpdesk	USN-15	Query	1	High	Nisha.R
		USN-16	Ratings	2	Medium	Sneha.S Santha sargunam.A
	Dashboard	USN-17	Verification	2	High	Vinothini.P Nisha.R
		USN-18	Validation	1	High	Santha sargunam.A Nivetha.M
		USN-19	Feedback - send feedback to the Admin.	2	Medium	Nisha.R Nivetha.m Santha sargunam.A Sneha.S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Burndown Chart

