

Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID53645
Project Name	Project - Visualizing and Predicting Heart Diseases with an interactive Dashboard
Maximum Marks	8 Marks

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can register & access the dashboard	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				with Gmail Login		
	Dashboard	USN-6	Profile - view & update your profile	I can see the profile.	Medium	Sprint-2
		USN-7	Change Password - user can change the password	I can able to change the password.	High	Sprint-1
		USN-8	Home - Analyze your Heart	I can detect the health condition from where ever I want.	High	Sprint-1
		USN-9	<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"> -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) 	These are the categories available in that application.	High	Sprint-2
		USN-10	View Doctors - view doctor detail by searching by names or filter by specialty	Using this application, people can know that the speciality doctors.	Medium	Sprint-1
Customer (Web user)	System Requirement	USN-11	<p>I. Hardware Requirement</p> <p>i. Laptop or PC</p> <ul style="list-style-type: none"> • I5 processor system or higher • 4 GB RAM or higher 	These are all the specification available in your PC.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			<ul style="list-style-type: none"> 128 GB ROM or higher ii. Android Phone (12.0 and above)			
		USN-12	II. Software Requirement iii. Laptop or PC <ul style="list-style-type: none"> Windows 10 or higher Android Studio 	Install your application. This system can be used to predict the presence of heart disease	Medium	Sprint-2
		USN-13	<u>Reference- https://ieeexplore.ieee.org/document/9619208/</u>	Go and Check our Reference link.	Medium	Sprint-1
Customer Care Executive	Dashboard	USN-14	Query	You can post your queries in the text box available in that application.	High	Sprint-1
		USN-15	Toll Free	Ask your doubts in given number(987xxxxxx09).	High	Sprint-1
		USN-16	Ratings	Give your ratings as your wish.	Medium	Sprint-1
Administrator	Dashboard	USN-17	Verification	Verification through CAPTCHA Verification through I'm not a robot	High	Sprint-1
		USN-18	validation	Reconfirming the new password Sending a two digit number in (Google account) your Old devices, so that you can enter into	gh	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				a new device By entering the two digit number.		
		USN-19	Feedback - send feedback to the Admin.	Please send your feedback to host.	Medium	Sprint-2

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.



