

Project Planning Phase MILESTONE AND ACTIVITY

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

Date	18 October 2022
Team ID	PNT2022TMID35176
Project Name	Project - Plasma Donor Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	The user can register for the application by entering my email, password, and confirming my password.	3	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Email verification	USN-2	The user will receive confirmation email once he/she have registered for the application	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1		USN-3	The user can register for the application through Gmail	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Login	USN-4	The user can log into the application by entering email & password	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Dashboard	USN-5	The user can view their profile once they log in to the application	3	High	Akshara M S Ramya S Harini E R Keerthana A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Authentication System	USN-6	Admins authenticate users using flask application	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Certification	USN-7	Donor(User) will receive a virtual certificate after successful donation.	2	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Request for Plasma	USN-8	A Plasma request can be made by the recipient in need	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Verification of Details	USN-9	The donor details will be verified by the system administrators.	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Acceptation of request	USN-10	The verified donor will be displayed an image of plasma request for the specific plasma type	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Transferring Information	USN-11	The donor and the recipient will be able to transfer information including personal details and location	4	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Integrating chatbot	USN-12	Users can use the chatbot for simple help queries	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Integration with sendgrid	USN-13	Verification and confirmation mail for both donor and recipient	4	High	Akshara M S Ramya S Harini E R Keerthana A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Dockerizing	USN-14	Dockerizing the application	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-4	Updation	USN-15	Admin can update the donor plasma availability ,push request and maintain the database.	4	High	Akshara M S Ramya S Harini E R Keerthana A

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		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

AVERAGE VELOCITY = 20/6

AVERAGE VELOCITY = 3.34

PNT2022TMD3