

Project Planning Phase

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

Date	03.11.2022
Team ID	PNT2022TMID32618
Project Name	Project – Plasma Donor application
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	USER: I can register for the application by entering my email and password	3	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
		USN-2	USER: I will receive a confirmation email once I have registered for the application	2	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
	Login	USN-3	USER: I can log into the application by entering my email & password	3	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
SPRINT-2	Dashboard	USN-4	USER: I Can view the donors and their blood group	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
		USN-5	USER: Donor can view if there any need for plasma	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
	Service	USN-6	USER: Can view no of available donor	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
SPRINT-3	Service	USN-7	USER: Request Specific Blood plasma	4	Medium	Jesila foumiya Jemima blessy Aishwarya P Gayathri
		USN-8	ADMIN: Notify the donor regarding request	3	Medium	Jesila foumiya Jemima blessy Aishwarya P Gayathri

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
SPRINT-4	Service	USN-9	ADMIN: I need to alert the donor when there is a need through SMS or mail	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
		USN-11	ADMIN: I need to check donor's medical reports	3	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
	Data collection	USN-12	ADMIN: I need to store user details on the cloud	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri
		USN-13	ADMIN: I need to collect details about covid-19 cases from verified sources	5	High	Jesila foumiya Jemima blessy Aishwarya P Gayathri

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

Burndown Chart:

A burndown 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.