

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID22368
Project Name	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 Member
Sprint-1	Registration	USN – 1	User: I can register for the application by entering my email, password, and confirming my password.	4	High	Sheraz Jabeen
		USN – 2	User: I will receive confirmation email once I have registered for the application.	3	High	Sheraz Jabeen
		USN – 3	User: I can register for the application through Gmail.	3	Medium	Leelavathy
		USN – 4	User: I will receive confirmation email in Gmail once I have registered for the application.	2	Medium	Leelavathy
	Login	USN – 5	User: I can log into the application by entering email & password.	4	High	Prema
		USN – 6	Admin: I will log into the admin portal.	4	High	Prema
Sprint 2	Dashboard	USN – 7	User: I can see the dashboard for user.	5	High	Sakthi Abirami
	Data Update	USN – 8	Donor: I can update my details regarding health profile	5	High	Sakthi Abirami
		USN – 9	Receiver: I can update my requirements in the website	5	High	Sakthi Abirami
	Verification	USN – 10	Admin: I will update the donor details into the database after checking the health conditions of plasma donors and update their profile to plasma database.	5	High	Sheraz Jabeen

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Member
Sprint 3	Chat Bot	USN – 11	User: I can access the Chat Bot for any assistance	4	High	Leelavathy
	Assistance	USN – 12	Admin: I provide assistance to users via the chat bot and fulfill the queries by the users	4	High	Prema
	Requires Plasma	USN – 13	Receiver: I search for compatible plasma for my need.	4	High	Sakthi Abirami
		USN – 14	Admin: When a request is received, I show the compatible donor for the receiver's requirements.	4	High	Sheraz Jabeen
		USN – 15	User: I click the compatible Donor	4	High	Leelavathy
Sprint 4	Alert	USN – 16	Admin: I will alert the Donor through notification message.	4	High	Prema
	E-Mail	USN – 17	Admin: I will alert the Donor through an email message.	4	High	Prema
	Connect	USN – 18	Admin: I will connect the Donor and receiver for the process	5	High	Sakthi Abirami
	Data Storing	USN – 19	Admin: I use the cloud services to maintain the user's data.	4	High	Leelavathy
	Updating	USN – 20	Admin: I will frequently update the database with new data received	3	High	Sheraz Jabeen

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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>