

Project Planning Phase

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

Date	01 November 2022
Team ID	PNT2022TMID06713
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 Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Deepak B
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Barathkumar S, Aravind C
Sprint-2		USN-3	As a user, I can register for the application through phone number and log in using it	3	Medium	Barathkumar S
Sprint-1	Login	USN-4	As a user, I can log into the application using my registered email & password	2	High	Devarajathirajan S
Sprint-2	Dashboard	USN-5	As a user, I want to enter/update my medical and contact information	3	Medium	Deepak B, Aravind C
Sprint-4	Chatbot	USN-6	As a user, I can ask questions to the chatbot	1	Low	Aravind C
Sprint-3	Receive Alerts	USN-7	As a donor, I want to receive immediate alerts upon requests from patient	5	High	Deepak B, Devarajathirajan S, Aravind C
Sprint-2	Request Plasma	USN-8	As a patient, I want a list of donors	5	High	Deepak B, Devarajathirajan S
Sprint-4		USN-9	As a patient, I want to sort out donor list	5	Medium	Deepak B, Devarajathirajan S, Barathkumar S
Sprint-3		USN-10	As a patient, I want to request for plasma	5	High	Deepak B, Barathkumar 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	7	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	11	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	6	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>