

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32411
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	As a user, I can register for the application by entering my email, password, and confirming my password.	15	High	Gunanithi M Jeyasri V Kalaivani J Kalaivani K
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Gunanithi M Jeyasri V Kalaivani J Kalaivani K
Sprint-2	Login	USN-6	As a user, I can log into the application by entering email & password	10	High	Gunanithi M Jeyasri V Kalaivani J Kalaivani K

Sprint-2	Dashboard	USN-7	As a user, I can search request and a quick snap is displayed in the dashboard.	10	High	Gunanithi M Jeyasri V Kalaivani J Kalaivani K
Sprint-3	Sorting Functionality	USN-3	As a user, i can sort the requests based on the location,blood group,hospital name	10	Medium	Gunanithi M Jeyasri V Kalaivani J Kalaivani K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Chatbot	USN-8	As a user, I can chat with the bot so that my queries are clarified	10	High	Gunanithi M Jeyasri V Kalaivani J Kalaivani K
Sprint-4	My Requests	USN-4	As a user,i can see my requests.	20	High	Gunanithi M Jeyasri V Kalaivani J Kalaivani K

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	5 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)

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

$$\text{Average Velocity} = 20/6 \quad \text{AV} = 3.333$$

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.