

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

Team id	PNT2022TMID18022
Project Name	Plasma Donor Application
Team Members	RAGUL, LITHISH, MOSHE SAM, MURALI

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	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Lithish
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Lithish
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Ragul
Sprint-2	Registration	USN-3	As a user, I can register for the application	20	Low	Ragul
Sprint-3	Dashboard	USN-5, USN6, USN-7	I am a Donor and need to access only Donor registration with my credentials	20	High	Moshe Sam
Sprint-4	Donor's Page	USN-8	As a Donor, I can enter my details and check my eligibility, and book my slot for donation	5	High	Moshe Sam
Sprint-4	Recipient's Page	USN-9	As a Recipient, I can enter my details and book my slot in a hospital as any nearby.	5	High	Murali
Sprint-4	Hospital In-Charge Page	USN-10	As a Hospital In-Charge, I can enter my details and hospital details as per the conditions.	9	High	Murali

Sprint-4	At last feedback page	US-11	Finally, all users enter their feedback and receive feedbacks and issues.	1	Medium	Murali
----------	-----------------------	-------	---	---	--------	--------

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	
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	
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>