

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53161
Project Name	Project - Plasma Donor Application
Maximum Marks	8 Marks

#### 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	Recipient Registration <sup>9</sup>	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Abhishek and Sagar Seth
P	Recipient Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	Sagar Seth and Rajveer
Sprint-2	Recipient Notification	USN-3	The application will let me know whether there is a matching donor, as a user.	10	Medium	Ridham and Rajveer
Sprint-2	Recipient Notification	USN-4	In a nearby hospital, I'll be able to get plasma.	10	High	Abhisekh and Ridham
Sprint-3	Donor Registration	USN-5	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	10	High	Sagar Seth and Rajveer
Sprint-3	Donor Verification	USN-6	I will receive a confirmation email as a user once I've signed up for the application.	10	High	Ridham and Abhisekh
Sprint-4	Donor Notification	USN-7	I will receive notification of a plasma request through the application as a user.	10	Medium	Ridham and Rajveer
Sprint-4	Donor Notification	USN-8	I will be informed as a user of any nearby plasma blood banks.	10	Medium	Abhisekh and Sagar Seth

**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-4	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)

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

**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>