Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID18541
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-2	Dashboard	USN-1	As a user dashboard will fit comfortably in a page.	1	Low	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-3	Register	USN-1	Blood bank can register a bank name and search for blood donors.	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-3	Login	USN-2	Blood bank can login with the credentials to see the list of donors.	1	High	Shreya M V Vijayavarshini R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Vigneshwaran S Shyam Prasadh S
Sprint-3	Donor List	USN-3	Blood bank can login with the credentials to see the list of donors.	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-4	Register	USN-1	Donors can register a bank name and search for blood donors.	2	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-4	Login	USN-2	Donors can login with the credentials to see the list of donors.	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S
Sprint-4	Donor List View	USN-3	Blood bank can login with the credentials to see the list of donors.	1	High	Shreya M V Vijayavarshini R Vigneshwaran S Shyam Prasadh S

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)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprint

$$AV= \frac{}{6} \approx 4$$

Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

	Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
remaining effort	80	70	42	25	13	8	0
ideal effort	80	66.66666667	53.33333333	40	26.66666667	13.33333333	0

BurntDown Chart

| | Day 0 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |

remaining effort   ideal effort