Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID08777
Project Name	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, and password, and confirming my password.	13	High	4
Sprint-1	Confirmation	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	13	High	4
Sprint-2	Registration through a google account	USN-3	As a user, I can register for the application through a google account.	8	Low	4
Sprint-1	Login	USN-4	As a user, I can log into the application by entering my email & password.	13	High	4
Sprint-2	Dashboard	USN-5	As a user, I can log into the application and view the dashboard for donor information.	8	Medium	3
Sprint-2	Notification	USN-6	As a user, I can get notifications after registering my application.	13	High	
Sprint-3	Database	USN-7	Admin can access, view, modify, and update all details of the donor/recipient.	20	High	3
Sprint-4	Software testing and deployment	USN-8	As a user who wants to access the application without any drawbacks, we need to test the software before release.	13	High	4

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	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)

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

Velocity:

AV = 20/6=3.3333…

Sprint 1(AV)= 3.34

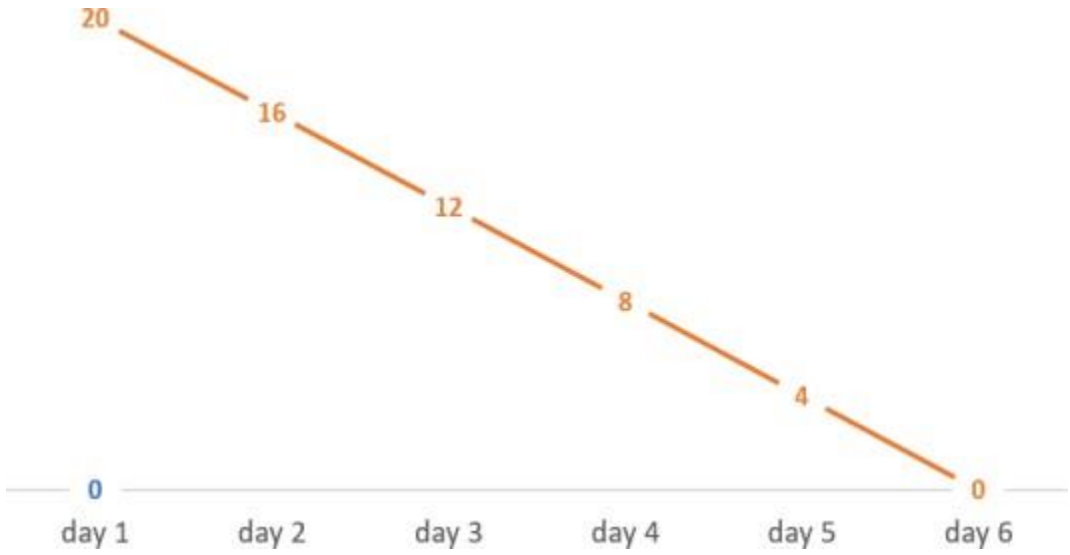
Sprint 2(AV)=3.34

Sprint 3(AV)=3.34

Sprint 4(AV)=3.34

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, burndown 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