Project Planning Phase

Date	20 October 2022
Team ID	PNT2022TMID53106
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 as a Donor/Receiver.	5	High	Madhulica, Arandeep
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Vaibhav, Srivatsan
Sprint-1	Login	USN-3	As a user, I can log into the application by entering credentials	5	High	Vaibhav, Srivatsan
Sprint- 2	Dashboard	USN-4	I will have a dashboard of the time period of donor/Receiver application	3	Low	Madhulica, Arandeep
Sprint-3	Notification	USN-5	As a user, I will get notified if there is a match.	10	High	Madhulica, Arandeep
Sprint -2	Dashboard	USN-6	I can check my History of Donation or reception	5	Low	Vaibhav, Srivatsan
Sprint-3		USN-7	As a user, I will collect/donate plasma in the nearby hospital	10	Medium	Madhulica, Arandeep
Sprint-4		USN-8	I can see information of nearby Donation camps	5	Low	Vaibhav, Srivatsan
Sprint-4		USN-9	I can earn rewards and vouchers for donating plasma	5	Low	Madhulica, Arandeep
Sprint-4	Testing	Testing//	Testing	15	High	Vaibhav, Srivatsan

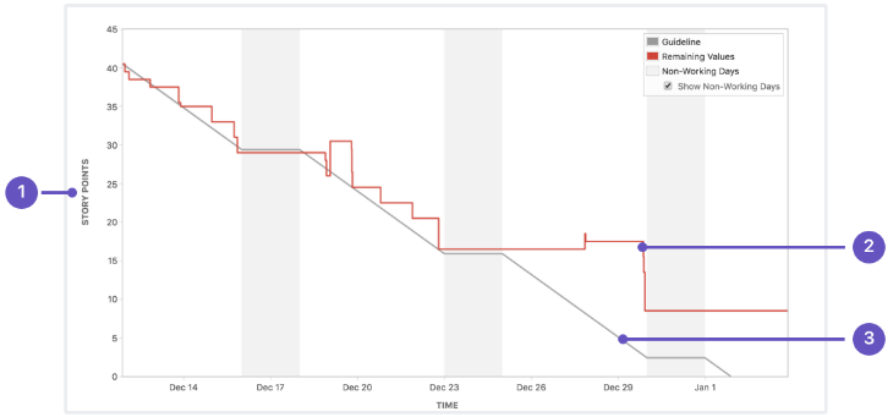
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	15	6 Days	23 Oct 2022	29 Oct 2022	Will be updated as we go.	
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	25	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)

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

Burndown Chart:



1. **Estimation statistic**: The vertical axis represents the estimation statistic that you've selected.

2. **Remaining values**: The red line represents the total amount of work left in the sprint, according to your team's estimates.

3. **Guideline**: The grey line shows an approximation of where your team should be, assuming linear progress. If the red line is below this line, congratulations - your team's on track to completing all their work by the end of the sprint. This isn't foolproof though; it's just another piece of information to use while monitoring team progress.

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