Project Planning Phase

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

Date	28 October 2023
Team ID	Team 2.6
Project Name	Project – Malware Detection and Classification
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Detection	USN-1	As a security analyst, I want to be able to detect malware in real time so that I can prevent it from infecting our systems.	5	High	Aniket Rai, Sreya Gopakumar
Sprint-1	Data Classification	USN-2	As a security analyst, I want to be able to classify malware into different types so that I can understand its capabilities and how to best mitigate it.	3	High	Rohit Patiballa, Saumyaa Prajapat
Sprint-2	Alerting	USN-3	As a security analyst, I want to be able to receive alerts when new malware samples are detected.	3	Low	Sreya Gopakumar, Aniket Rai
Sprint-2	Enable and disable custom rules	USN-4	As a security analyst, I want to be able to create and manage custom malware detection rules.	4	Medium	Saumyaa Prajapat, Rohit Patiballa
Sprint-3	Deploy ability	USN-5	As a security administrator, I want to be able to deploy the malware detection and classification system to multiple servers and devices.	3	High	Aniket Rai, Sreya Gopakumar
Sprint-3	Dashboard Monitoring	USN-6	As a security administrator, I want to be able to monitor the performance of the malware detection and classification system and receive alerts if any problems occur.	4	Medium	Rohit Patiballa, Saumyaa Prajapat
Sprint-4	User Friendly	USN-7	As a user, I want to be able to view detailed information about malware samples, such as their file type, size, hash, and known malicious behavior.	5	High	Sreya Gopakumar, Aniket Rai

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	8	3 Days	13-Oct-23	15-Oct-23	8	15-Oct-23
Sprint-2	7	3 Day	16-Oct-23	18-Oct-23	7	18-Oct-23
Sprint-3	7	3 Day	19-Oct-23	21-Oct-23	7	21-Oct-23
Sprint-4	5	2 Day	22-Oct-23	23-Oct-23	5	23-Oct-23

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)

Total story points: 27
Total number of sprints: 4
Average velocity = Total story points / Total number of sprints
Average velocity = 27 / 4
Average velocity = 6.75 story 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

	Days series	Dates	Planned	Actual
	Friday	13-Oct-23	8	8
	Monday	16-Oct-23	7	6
	Thursday	19-Oct-23	7	5
	Sunday	22-Oct-23	5	0
	Days series	Dates	Planned	Actual