Project Planning Phase

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

Date	28 October 2023
Team ID	PNT2022TMIDxxxxxx
Project Name	**AI-Based Threat Intelligence Platform**
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	Data Collection	USN-1	As a threat analyst, I can define and configure data sources for collecting threat intelligence data.	5	High	
Sprint-1		USN-2	As a threat analyst, I can schedule automated data collection tasks from various sources.	3	High	
Sprint-1	Data Ingestion	USN-3	As a threat analyst, I can ingest collected data into the platform for analysis.	3	Medium	
Sprint-2	Data Analysis	USN-4	As a threat analyst, I can run predefined analytics and algorithms on ingested data to identify threats.	3	High	
Sprint-2		USN-5	As a threat analyst, I can create custom analytics and algorithms to detect specific threats.	5	High	
Sprint-3	Alerting	USN-6	As a threat analyst, I can configure alerting rules to notify users when threats are detected.	8	Medium	
Sprint-3	Reporting	USN-7	As a threat analyst, I can generate reports summarizing threat intelligence data and analysis results.	4	Low	
Sprint-4	User Management	USN-8	As an admin, I can manage user access and permissions to the threat intelligence platform.	3	High	
Sprint-4	Integration	USN-9	As a system administrator, I can integrate the platform with other security tools and systems.	4	Medium	
Sprint-4	User Interface	USN-10	As a user, I can interact with a user-friendly interface to access threat intelligence data and insights.	6	High	

Sprint Schedule:

Sprint 1:

- Sprint Goal: Establish data collection and initial data ingestion capabilities.
- Duration: 2 Days

Sprint 2:

- Sprint Goal: Implement advanced data analysis features.
- Duration: 2 Days

Sprint 3:

- Sprint Goal: Enhance alerting and reporting functionalities.
- Duration: 2 Days

Sprint 4:

- Sprint Goal: Finalize user management, integration, and user interface.
- Duration: 2 Days

Estimation:

- Sprint 1 includes USN-1, USN-2, and USN-3. The total estimated story points for this sprint are 5 (USN-1) + 3 (USN-2) + 3 (USN-3) = 11 story points.
- Sprint 2 includes USN-4 and USN-5. The total estimated story points for this sprint are 5 (USN-4) + 8 (USN-5) = 13 story points.
- Sprint 3 includes USN-6 and USN-7. The total estimated story points for this sprint are 4 (USN-6) + 3 (USN-7) = 7 story points.
- Sprint 4 includes USN-8, USN-9, and USN-10. The total estimated story points for this sprint are 4 (USN-8) + 6 (USN-9) + 5 (USN-10) = 15 story points.

The total estimated story points for all sprints are 11 + 13 + 7 + 15 = 46 story points. Adjust sprint durations and priorities as needed to fit your project requirements.

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	11	2 Days	16 Oct 2023	18 Oct 2023	11	16 Oct 2023
Sprint-2	13	2 Days	18 Oct 2023	20 Oct 2023		
Sprint-3	7	2 Days	20 Oct 2023	22 Oct 2023		
Sprint-4	15	2 Days	22 Oct 2023	25 Oct 2023		

Velocity:

Based on the actual completion of Sprint-1, the team's velocity is 11 story points per sprint.

Burndown Chart:

A burndown chart can be created for each sprint by plotting the story points completed over time. Since we have data for Sprint-1, I'll provide an example burndown chart for Sprint-1:

- **Day 1: 11 story points remaining.**
- **Day 2: 9 story points remaining.**
- **Day 3: 7 story points remaining.**
- **Day 4: 5 story points remaining.**
- **Day 5: 3 story points remaining.**
- **Day 6: 1 story point remaining.**
- **Day 7: 0 story points remaining (completed).**

The actual progress data would be plotted against the ideal line, which is a straight line from the starting point to zero at the end of the sprint. Similar burndown charts can be created for the other sprints as work progresses.

Remember to update the project tracker and burndown chart with actual progress data for each sprint as you complete them to monitor your team's progress and adjust future sprints accordingly.