

Project Planning Phase

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

Date	08 November 2023
Team ID	592128
Project Name	Online Payments Fraud Detection using ML
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	Real-time alerts	USN-1	I want to receive instant notifications on my mobile device if any suspicious activity is detected on my account.	2	Medium	Lahari
Sprint-1	Real time monitoring	USN-2	I want the investment platform to automatically trigger alerts if there are unusual trading patterns or unexpected changes in my portfolio.	1	High	Yasmitha
Sprint-2	Detects irregularities	USN-3	I want the pension management system to alert me if there are irregularities in my contribution or disbursement history.	2	Low	Tejeswar
Sprint-3	Detects unauthorized transactions	USN-4	I want the payment system to detect and prevent unauthorized transactions, especially for online and mobile payments.	2	Medium	Yasmitha

Sprint-4	Regular software updates	USN-5	I want to ensure that the fraud detection software is regularly updated to adapt to emerging fraud patterns and maintain optimal performance.	1	High	Tejeswar
----------	--------------------------	-------	---	---	------	----------

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	3	6 Days	23 Oct 2023	28 Oct 2023	3	28 Oct 2023
Sprint-2	5	6 Days	30 Oct 2023	04 Nov 2023	5	04 Nov 2023
Sprint-3	7	6 Days	06 Nov 2023	11 Nov 2023	7	11 Nov 2023
Sprint-4	5	6 Days	13 Nov 2023	1 Nov 2023	5	18 Nov 2023

Velocity:

We have a 24 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}}$$

$$AV = 24/20 = 1.2$$

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

