

Project Planning Phase

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

Date	26 October 2022
Team ID	Team-592699
Project Name	Online payments Fraud Detection Using ML
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	Project Initiation	USN-1	Define project scope,and objectives.	8	Medium	Jyoshitha, Jyothika
Sprint-1	Risk Assessment	USN-2	Identify potential risks and challenges.	6	Medium	Jyoshitha, Jyothika
Sprint-1	Data Collection	USN-3	Identifying and reviewing dataset for analysis.	6	Medium	Jyoshitha, Jyothika
Sprint-2	Data Preprocessing	USN-4	Clean,transform and prepare data for modeling.	20	High	Jyoshitha, Jyothika

Sprint-3	Model Selection	USN-5	Choose classification algorithms(Decision tree,random forest,svm,Extra tree classifier,and xg boost classifier).	10	High	Jyoshitha, Jyothika
Sprint-3	Model training and Evaluation	USN-6	Train the selected models with data and evaluate model performance(accuracy,precision).	10	High	Jyoshitha, Jyothika
Sprint-4	Best Model selection and Model Serialization	USN-7	Identify the best performing model and save the best model in .pkl format.	20	High	Jyoshitha, Jyothika
Sprint-5	Flask Integration	USN-8	Develop a web application using flask for model deployment.	20	High	Jyoshitha, Jyothika
Sprint-6	Project Review and closure	USN-9	Review project progress and make necessary adjustments and document project outcomes.	20	Medium	Jyoshitha, Jyothika

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-1	20	2 Days	28 Oct 2023	29 Oct 2023	20

Sprint-2	20	2 Days	30 Oct 2023	31 oct 2023	20
Sprint-3	20	3 Days	01 Nov 2023	03 Nov 2023	20
Sprint-4	20	3 Days	01 Nov 2023	03 Nov 2023	20
Sprint-5	20	2 Days	04 Nov 2023	05 Nov 2023	20
Sprint-6	20	1 Day	06 Nov 2023	06 Nov 2023	20

Velocity:

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)

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

Burndown Chart:

