

## Project Planning Phase

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

Date	7 November 2023
Team ID	Team
Project Name	Online Payments Fraud Detection Using ML
Maximum Marks	8 Marks

### Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication and Authorization	USN-1	Role-based access control for various user roles will ensure safe access to the fraud detection system.	1	High	B.Raja
Sprint-1	Transaction Data Collection	USN-2	Gather and save pertinent transaction data, such as the amount, the user's identification, the timestamp, and the device's details..	2	High	MV.Srinivas

Sprint-1	Data Preprocessing	USN-3	To deal with missing data, outliers, and guarantee data quality for machine learning model training, apply preprocessing and data cleaning procedures.	2	High	D.Pranasvi
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Sprint-2	Feature Extraction and Engineering	USN-4	To improve the effectiveness of the fraud detection algorithms, extract pertinent features from transaction data and create new features.	3	Medium	K.Saketh
Sprint-3	Machine Learning Model Training:	USN-5	Utilizing past transaction data, train machine learning models to spot patterns suggestive of fraudulent activity..	4	Medium	MV.Srinivas
Sprint-3	Real-time Transaction Monitoring	USN-6	Continuously monitor incoming transactions in real-time to detect and flag potentially fraudulent activities.	6	High	D.Pranasvi

Sprint-3	Alerting and Notifications	USN-7	Put in place an alerting system to inform pertinent stakeholders and fraud analysts of any suspicious transactions.	1	Medium	B.Raja
Sprint-4	Scalability	USN-8	Ensure that the system is scalable to handle a growing volume of transactions as the business expands.	1	Low	K.Saketh

#### Project Tracker, Velocity & Burndown Chart:

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	5 Days	30 Oct 2023	3 Oct 2023	20	3 Nov 2023
Sprint-2	5	4 Days	4 Oct 2023	7 Nov 2023		
Sprint-3	10	7 Days	8 Nov 2023	14 Nov 2023		
Sprint-4	1	6 Days	15 Nov 2023	20 Nov 2023		

**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)

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

$$AV = 24/20 = 1.2$$

**Burndown Chart:**

A burndown 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.



**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Board section:  
We have completed sprint 1 and 2. So we can see the remaining tasks on board.

## Backlog section

IDEATION PHASE

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
		<div><div>TSK-8675720</div><div>KS DP BR VS</div><div>Empathy Map Canvas</div><div>Progress(%): 90</div><div>Comment</div></div> <div><div>TSK-8675721</div><div>KS DP BR VS</div><div>Brainstorm &amp; Prioritize Ideas</div><div>Progress(%): 90</div><div>Comment</div></div>	

## PROJECT DESIGN PHASE

BACKLOG

IN-PROGRESS

REVIEW

COMPLETE


TSK-8675722

KS DP BR VS

Proposed Solution

Progress(%):

90

 Comment

TSK-8675723

KS DP BR VS

Solution Architecture

Progress(%):

90

 Comment

## PROJECT PLANNING PHASE

BACKLOG

IN-PROGRESS

REVIEW

COMPLETE

TSK-8675725

KS DP BR VS

Technology Stack

Progress(%):

50

 Comment

TSK-8675726

KS DP BR VS

Project Planning Details

Progress(%):

50

 Comment

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PROJECT DEVELOPMENT PHASE

BACKLOG

IN-PROGRESS

REVIEW

COMPLETE

TSK-8675727

KS DP BR VS

Project Manual

Progress(%):

50

Comment

PERFORMANCE & FINAL SUBMISSION PHASE

BACKLOG	IN-PROGRESS	REVIEW	COMPLETE
<div><div>TSK-8675729</div><div>KS DP BR VS</div><div>Project Documenation</div><div>Progress(%):<div>0</div></div><div>Comment</div></div>	<div><div>TSK-8675728</div><div>KS DP BR VS</div><div>Solution Performance</div><div>Progress(%):<div>50</div></div><div>Comment</div></div>		

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1 View