Project Planning Phase

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

Date	7 November 2023
Team ID	Team -591837
Project Name	**Online Payments Fraud Detection Using MI**
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	K.Rishi
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	P.Moksha

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	K.prasanth

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	M.Manoj
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	P.Moksha
Sprint-3		USN-6	**Continuously monitor incoming transactions in real-time to detect and flag potentially fraudulent activities.**	6	High	K.prasanth

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	K.rishi
Sprint-4	**Scalability**	USN-8	**Ensure that the system is scalable to handle a growing volume of transactions as the business expands.**	1	Low	M.Manoj

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)

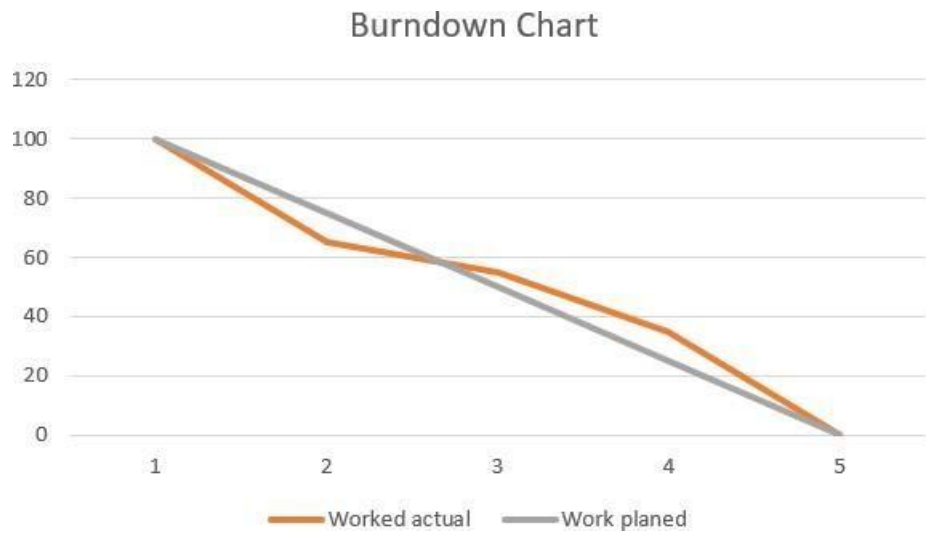
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Real-time Transaction Monitoring

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

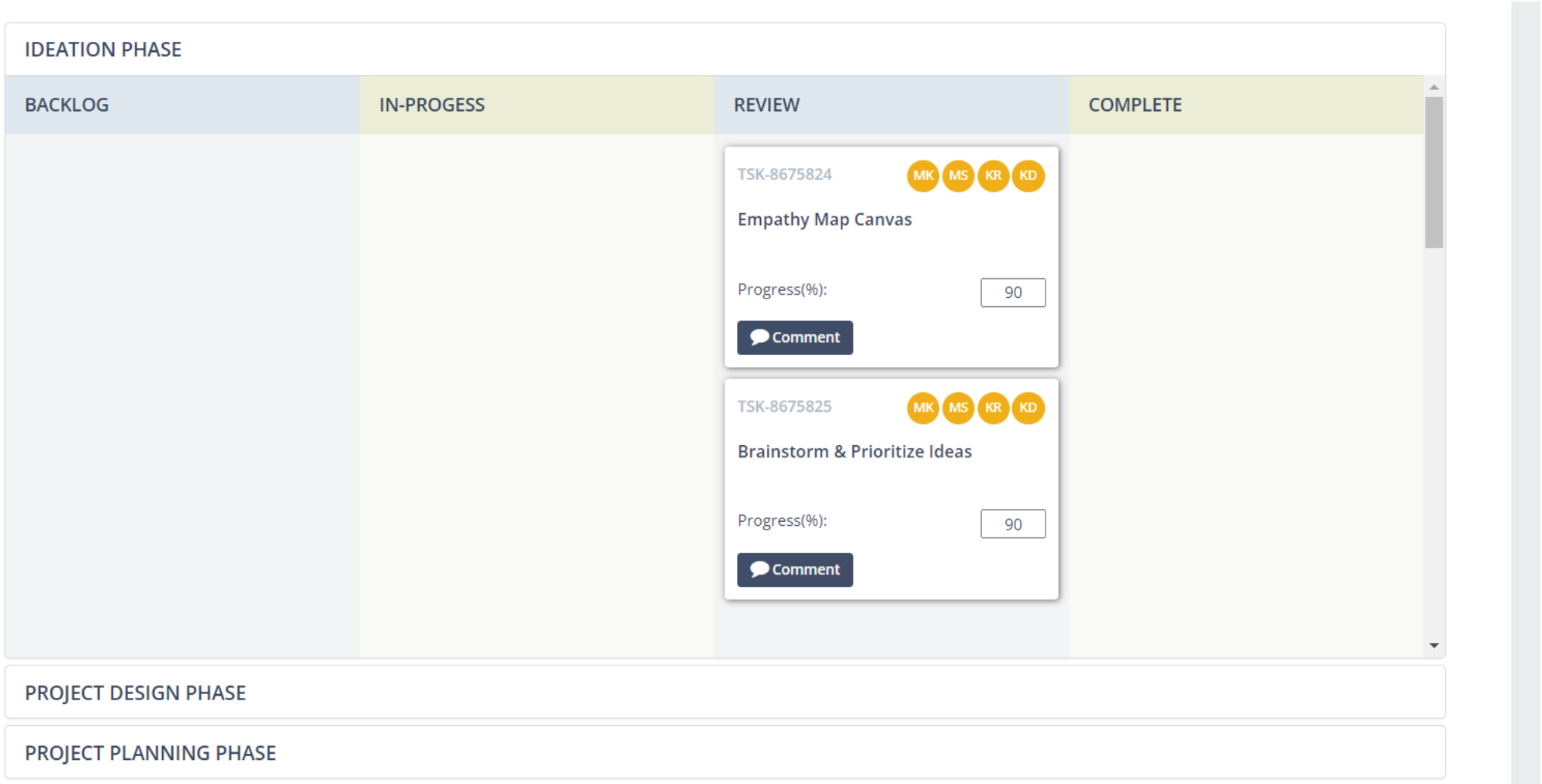
https://www.atlassian.com/agile/tutorials/sprints

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



PROJECT DESIGN PHASE

BACKLOG	IN-PROGESS	REVIEW	COMPLETE

TSK-8675826 MK MS KR KD

Proposed Solution

Progress(%): 90

Comment

TSK-8675827 MK MS KR KD

Solution Architecture

Progress(%): 90

Comment

TSK-8675828 MK MS KR KD

PROJECT PLANNING PHASE

PROJECT PLANNING PHASE

BACKLOG	IN-PROGESS	REVIEW	COMPLETE
	TSK-8675829 MK MS KR KD Technology Stack Progress(%): 50 Comment		
	TSK-8675830 MK MS KR KD Project Planning Details Progress(%): 50 Comment		

PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT PHASE

BACKLOG	IN-PROGESS	REVIEW	COMPLETE
	TSK-8675831 MK MS KR KD **Project Manual** Progress(%): 50 Comment		

PERFORMANCE & FINAL SUBMISSION PHASE

BACKLOG	IN-PROGESS	REVIEW	COMPLETE

TSK-8675833 MK MS KR KD

Project Documenation

Progress(%): 0

Comment

TSK-8675832 MK MS KR KD

Solution Performance

Progress(%): 50

Comment