Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID18010
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
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	**Pre – processing**	USN-1	Need for the data to be clean enough for Model Prediction	5	High	Pranava Kailash S P
Sprint-1	**Web UI**	USN-2	As a user, I would need a place to enter my data to predict my results	3	High	Dharshana R
Sprint-2	**Model Creation**	USN-3	As the data is clean now, the data can be used to Train and Evaluate the results	4	Medium	Pranava Kailash S P
Sprint-3	**Integration of Model and Web UI**	USN-4	Using Flask, now we can integrate the Model with the input given by the user	2	Medium	Pranava Kailash S P, Dharshana R
Sprint-4	**Deployment in the Cloud**	USN-5	After Complete integration, now the model should be deployed in IBM Cloud and put for use	1	Medium	Pranava Kailash S P, Dharshana R

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	2	6 Days	07 Nov 2022	12 Nov 2022	2	12 Nov 2022
Sprint-4	1	6 Days	14 Nov 2022	19 Nov 2022	1	19 Nov 2022

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)

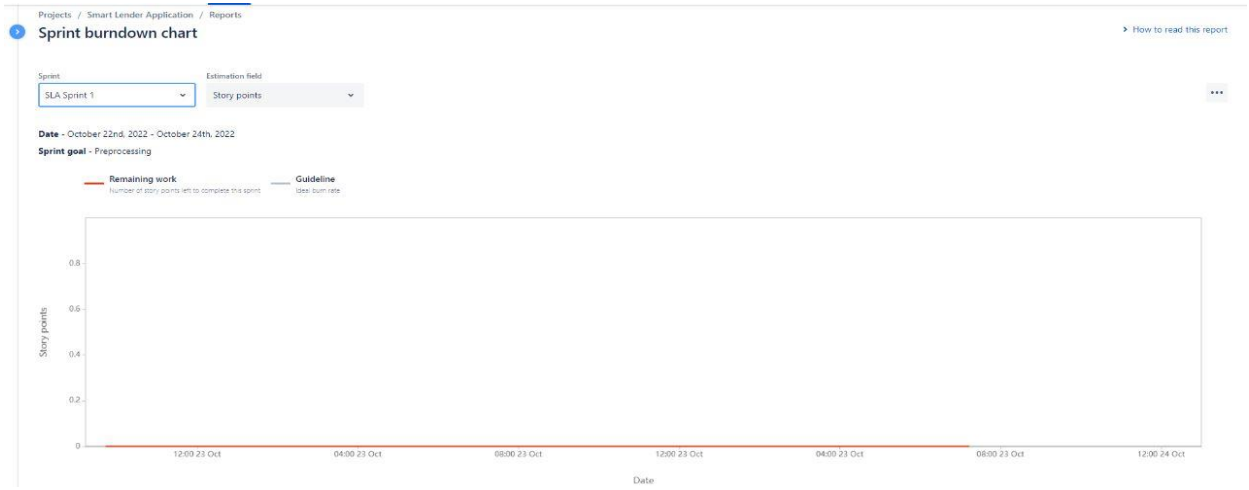
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

$$\text{AV} = \text{Sprint duration} / \text{Velocity} = 15/6 = 2.5$$

Burndown Chart:

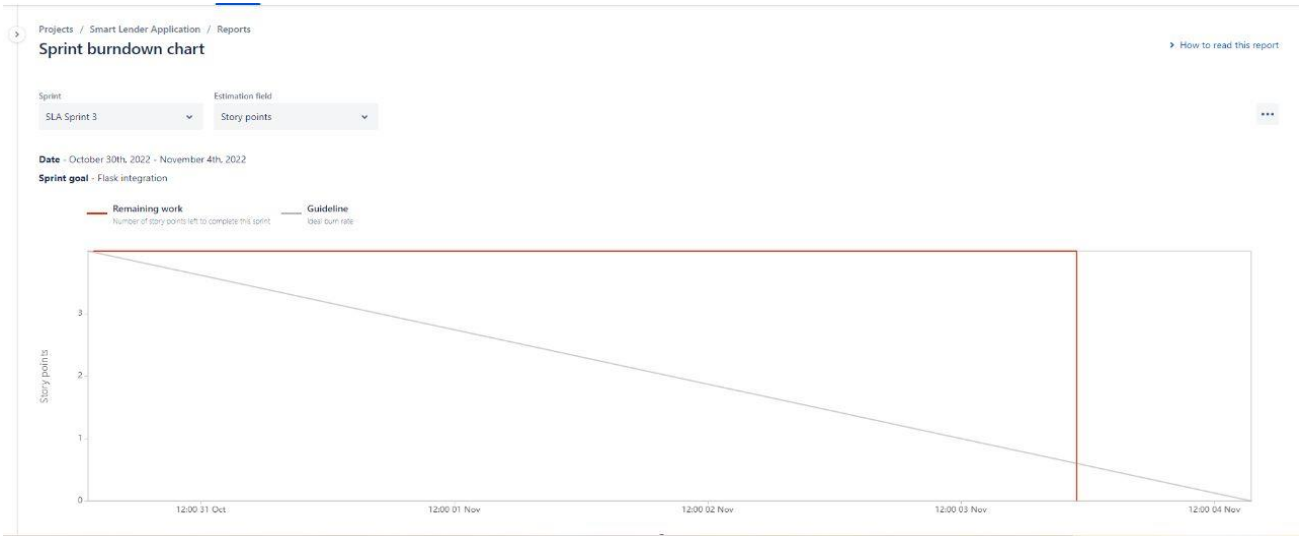
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

SPRINT-1



SPRINT-2

SPRINT-3



SPRINT-4


Projects / Smart Lender Application / Reports
Sprint burndown chart
How to read this report
Sprint
SLA Sprint 4
Estimation field
Story points
Date - November 3rd, 2022 - November 19th, 2022
Sprint goal - Cloud Deployment
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
0
1
2
3
4
Nov 05
Nov 07
Nov 09
Nov 11
Nov 13
Nov 15
Nov 17
Nov 19
Date