Project Planning Phase

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

Date	5th November 2023
Team ID	Team-591689
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	4	High	Moukthika Anvitha
Sprint-1	Web UI	USN-2	As a user, I would need a place to enter my data to predict my results	2	High	Moukthika
Sprint-2	Model Creation	USN-3	As the data is clean now, the data can be used to Train and Evaluate the results	2	Medium	Moukthika Varshitha
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	1	Medium	Moukthika Anvitha Varshitha
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	Moukthika Anvitha Varshitha

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	6	5 Days	5 Nov 2023	9 Nov 2023	6	9 Nov 2023
Sprint-2	2	4 Days	10 Nov 2023	13 Nov 2023		
Sprint-3	1	3 Days	14 Nov 2023	16 Nov 2023		
Sprint-4	1	2 Days	16 Nov 2023	17 Nov 2023		

Velocity:

Imagine we have a 14-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

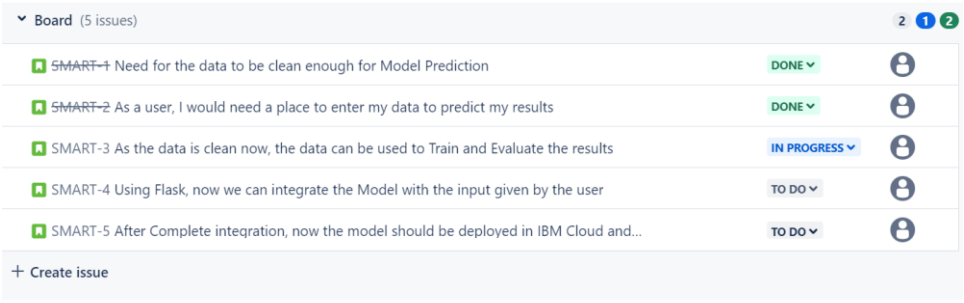
AV = sprint duration/velocity = 14/10 = 1.4

Burndown Chart:

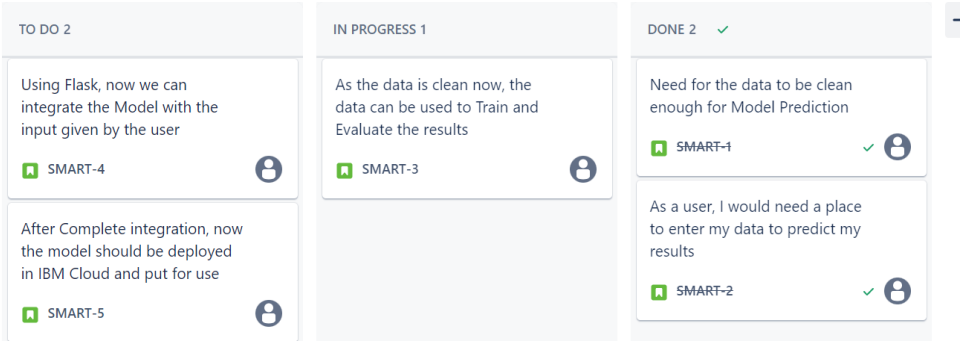
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Burndown Chart:

Backlog Chart:



Board Chart:



Reference:

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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