Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27218
Project Name	Project - 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	Registration (Case 1)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Aakash. B, Aakash. S,
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Ajith. G, Dharshan. S
Sprint-2	Registration (Case 2)	USN-3	As a user, I can register for the application through Facebook	2	Low	Aakash. S, Darshan. S
Sprint-2	Registration (Case 3)	USN-4	As a user, I can register for the application through Gmail	3	Medium	Aakash. S, Dharshan. S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	6	High	Aakash. S, Dharshan. S
Sprint-2	Information window	USN-6	The interface where a user can submit all their data used for loan eligibility prediction such as credit score, amount demanded, income details etc.	15	High	Aakash. B, Ajith. G
Sprint-3	ML model - development	USN-7	As a user, I can get the results from an ML model to be developed, which can evaluate and assess the loan eligibility of a person by the data given.	10	High	Aakash. B, Aakash. S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	ML model - training	USN-8	As a user, I can get the results from an ML model to be trained by subjecting it to different training datasets.	5	High	Ajith. G, Dharshan. S
Sprint-3	ML model - testing	USN-9	As a user, I can get the results from a trained ML model to be tested by subjecting it to different testing datasets.	5	High	Aakash. S, Ajith. G
Sprint-4	ML model - integration	USN-10	As a user, I can use the model by integrating it with a proper and comprehensible User Interface, thus as a web application	6	High	Aakash. B, Dharshan. S
Sprint-4	Application - testing	USN-11	As a user, I can use a full fledged web application for loan eligibility prediction to be tested for functioning	8	High	Aakash. B, Aakash. S
Sprint-4	Application - Deployment	USN-12	As a user, I can use a full fledged web application for loan eligibility prediction to be deployed in IBM cloud for functioning	6	High	Aakash. B, Aakash. S, Ajith. G, Dharshan. S

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

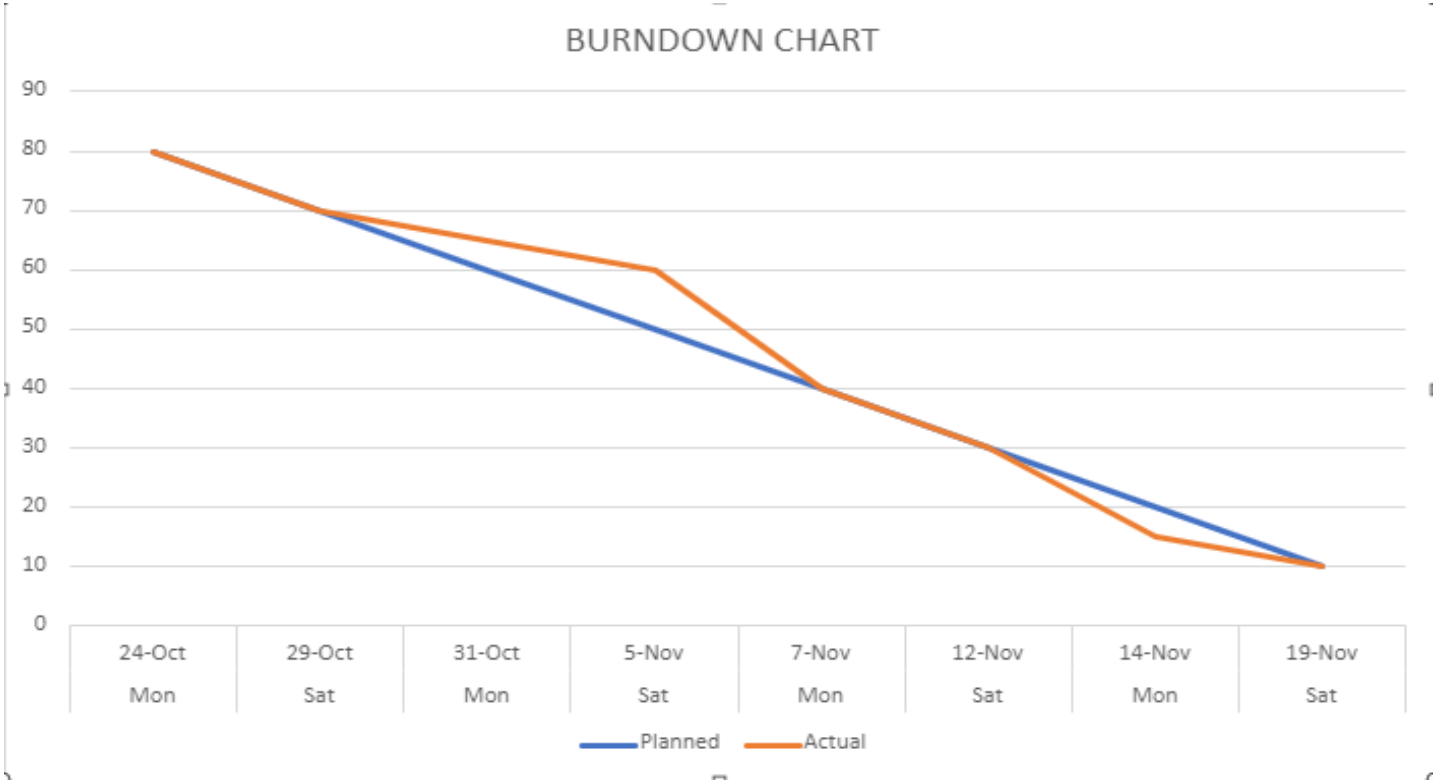
Velocity:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). The average story points completed per day can be calculated as follows :

$$AV = \text{sprint duration/velocity} = 20/6 = 3 \text{ (Average story points per day)}$$

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
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