Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID13268
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	ML model	USN-10	Get the Dataset for training.	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-1		USN-11	Pre-Process the Dataset	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-1		USN-12	Train the Model	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-1		USN-13	Optimize the Model	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-2		USN-14	Connect Model to User Interface	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Customer User Interface	USN-1	As a user,I can view the web application and I am able to interact with it	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-2		USN-2	As a user,I will able to enter the details of customer who I'm looking to appraise	3	High	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-2		USN-3	As a user,I can add or change the parameters list to accommodate for the unavailability of a specific data.	2	Medium	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-3		USN-4	As a user,I can ask for the data's prediction store at any time.	2	Medium	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-3		USN-5	As a user,I can request for mail transcript of the Prediction along with the details given at the time to the specified email id.	2	Medium	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-3		USN-6	As a user, I should be able to submit some feedback on the website .	1	Low	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-4	Admin User Interface	USN-7	As ana admin, I can look at the past prediction stored in the cloud.	1	Low	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-4		USN-8	As an Admin, I can look at the user feedbacks.	1	Low	Jegan, Kirubhakaran, Nagul, Maheshwaran
Sprint-4		USN-9	As an admin,I can tweak the ML model.	1	Low	Jegan, Kirubhakaran, Nagul, Maheshwaran

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	12	9 Days	24 Oct 2022	01 Oct 2022	12	29 Oct 2022
Sprint-2	11	8 Days	01 Oct 2022	08 Nov 2022	11	29 Oct 2022
Sprint-3	5	5 Days	08 Nov 2022	12 Nov 2022	5	29 Oct 2022
Sprint-4	3	5 Days	12 Nov 2022	16 Nov 2022	3	29 Oct 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)

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

In our case,

Sprint-1 = 11/6 = 1.833

Sprint-2 = 18/6 = 3

Sprint-3 = 16/6 = 2.67

Sprint-4 = 16/6 = 2.67

Total Velocity = 61/24 = 2.54

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.