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

Date	03 November 2022
Team ID	PNT2022TMID11986
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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Amaresh Saddish, Tanooj Cheekati
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-1		USN-3	As a user, I can register for the application through Facebook	1	Low	Amaresh Saddish, Tanooj Cheekati
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Amaresh Saddish, Tanooj Cheekati
Sprint-1	Dashboard	USN-6	As a user, I should be able to access the dashboard with everything I am allowed to use.	2	Medium	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-1	Registration	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Amaresh Saddish, Tanooj Cheekati
Sprint-1		USN-8	As a user, I will receive confirmation email once I have registered for the application	3	High	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-1		USN-9	As a user, I can register for the application through Facebook	1	Low	Amaresh Saddish, Tanooj Cheekati
Sprint-1		USN-10	As a user, I can register for the application through Gmail	2	Medium	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-1	Login	USN-11	As a user, I can log into the application by entering email & password	3	High	Amaresh Saddish, Tanooj Cheekati
Sprint-1	Dashboard	USN-12	As a user, I should be able to access the dashboard with everything I am allowed to use.	2	Medium	K Bhavani Venkata

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Karthik, Shreyas Karthik Ramesh
Sprint-2	Register	USN-13	As a loan approval officer, I should be able to register myself as one using unique email and password.	5	Medium	Amaresh Saddish, Tanooj Cheekati
Sprint-2	Login	USN-14	As a loan approval officer I should be able to login myself as one using unique email and password.	5	Medium	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-3	Automated analysis of credit history	USN-15	As a loan approval officer, I can access the dashboard where I feed application for loan prediction.	10	High	Amaresh Saddish, Tanooj Cheekati
Sprint-3		USN-16	As a loan approval officer, I can get a decision followed by some details for the decision when I feed an application for loan prediction.	15	High	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-4	Register	USN-17	As an admin, I should be able to register myself as one using unique email and password.	2	Medium	Amaresh Saddish, Tanooj Cheekati
Sprint-4	Login	USN-18	As an admin I should be able to login myself as one using unique email and password.	2	Medium	K Bhavani Venkata Karthik, Shreyas Karthik Ramesh
Sprint-4	Dashboard	USN-19	As a admin, I should be able to access the dashboard with everything I am allowed to use.	2	Medium	Amaresh Saddish,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Tanooj Cheekati

Project Tracker, Velocity & Burndown Chart: (4 Marks)

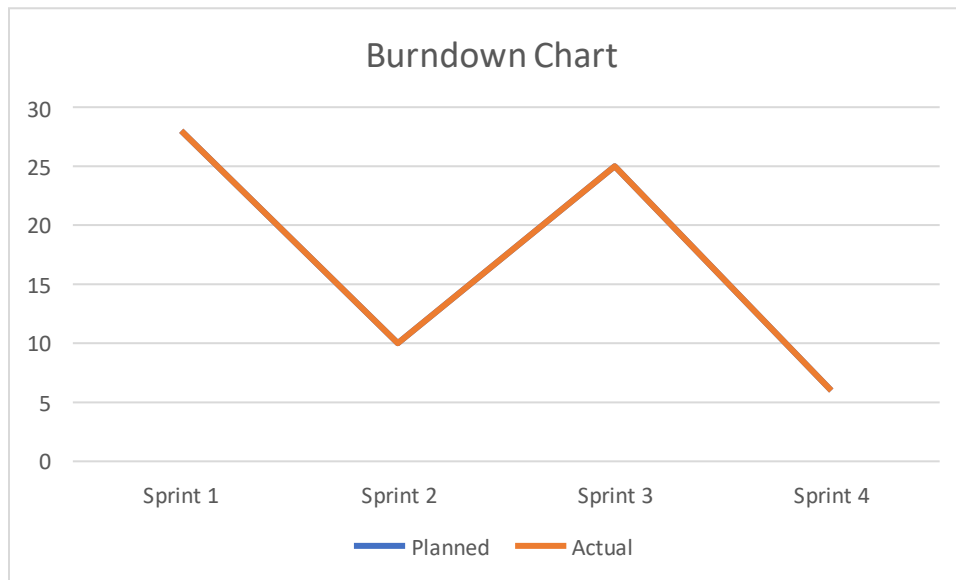| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	28	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	25	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	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)

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

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