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

Date	18 October 2022
Team ID	PNT2022TMID32530
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 applicationby entering my email, password, and confirming my password.	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1		USN-2	As a user, I will receive confirmation emailonce I have registered for the application	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

Sprint		User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-3	As a user, I can register for the application through Facebook	1	Low	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

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 applicationby entering email & password	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1	Dashboard	USN-6	As a user, I should be able to access the dashboard with everything I am allowed touse.	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1	Registration	USN-7	As a user, I can register for the applicationby entering my email, password, and confirming my password.	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

Sprint-1		USN-8	As a user, I will receive confirmation emailonce I have registered for the application	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1		USN-9	As a user, I can register for the application through Facebook	1	Low	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1		USN-10	As a user, I can register for the application through Gmail	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1	Login	USN-11	As a user, I can log into the applicationby entering email & password	3	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-1	Dashboard	USN-12	As a user, I should be able to access the dashboard with everything I am allowed touse.	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Register	USN-13	As a loan approval officer, I should be ableto register myself as one using a unique email and password.	5	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-2	Login	USN-14	As a loan approval officer I should be ableto login myself as one using a unique email and password.	5	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-3	Automated analysis of credithistory	USN-15	As a loan approval officer, I can access the dashboard where I feed applications for loan prediction.	10	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-3		USN-16	As a loan approval officer, I can get a decisionfollowed by some details for the decision when I feed an application for loan prediction.	15	High	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-4	Register	USN-17	As an admin, I should be able to register myself as one using a unique email andpassword.	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D
Sprint-4	Login	USN-18	As an admin I should be able to login myselfas one using a unique email and password.	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

Sprint-4	Dashboard	USN-19	As an admin, I should be able to access thedashboard with everything I am allowed to use.	2	Medium	Merlin Jone J Mohammed Kaif S Mugunthan R Parthiban D

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

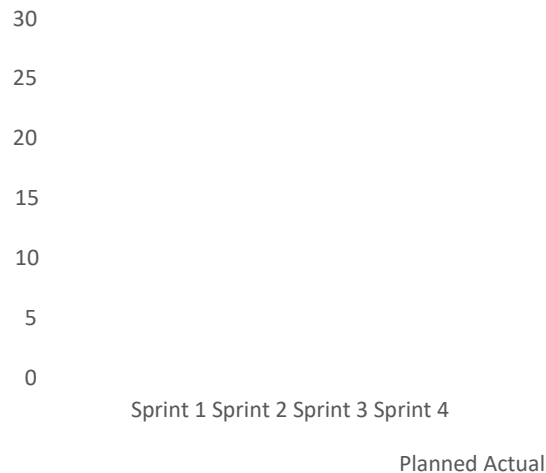| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	Nil	Nil
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	Nil	Nil
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022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

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 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.

Burndown Chart

```
30

25

20

15

10

 5

 0
         Sprint 1 Sprint 2 Sprint 3 Sprint 4

                    Planned Actual
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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-softwar

e https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimatio

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