

Project Planning Phase

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

Date	1 November 2022
Team ID	PNT2022TMID12860
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-1	Dashboard	USN-5	As a user, I should be able to access the dashboard with everything I am allowed to use.	2	High	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Register	USN-6	As a loan approval officer, I should be able to register myself as one using a unique email and password.	3	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-2	Login	USN-7	As a loan approval officer I should be able to login myself as one using a unique email and password.	3	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-3	Automated analysis of credit history	USN-8	As a loan approval officer, I can access the dashboard where I feed applications for loan prediction.	2	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-3		USN-9	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.	3	High	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-4	Register	USN-10	As an admin, I should be able to register myself as one using a unique email and password.	2	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-4	Login	USN-11	As an admin I should be able to login myself as one using a unique email and password.	2	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R
Sprint-4	Dashboard	USN-12	As an admin, I should be able to access the dashboard with everything I am allowed to use.	2	Medium	Megalingam R Sanjana S Sharon Priyadharshini T Sakthivel R

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	6 Days	27 Oct 2022	01 Nov 2022	12	01 Nov 2022
Sprint-2	6	6 Days	02 Nov 2022	08 Nov 2022	6	08 Nov 2022
Sprint-3	5	6 Days	08 Nov 2022	14 Nov 2022	5	14 Nov 2022
Sprint-4	6	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)

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

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>