

Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID35767 |
| 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 | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-1 | | USN-3 | As a user, I can register for the application through Facebook | 1 | Low | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-1 | | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | M Siddarth Varun Krishna Jerfin Sarah |

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|----------|-----------|-------|--|---|--------|--|
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 3 | High | M Siddarth Varun Krishna Jerfin Sarah |
| 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 | M Siddarth Varun Krishna Jerfin Sarah |

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|----------|--------------------------------------|--------|--|----|--------|--|
| Sprint-2 | Register | USN-7 | As a loan approval officer, I should be able to register myself as one using unique email and password. | 5 | Medium | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-2 | Login | USN-8 | As a loan approval officer I should be able to login myself as one using unique email and password. | 5 | Medium | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-3 | Automated analysis of credit history | USN-9 | As a loan approval officer, I can access the dashboard where I feed application for loan prediction. | 10 | High | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-3 | | USN-10 | 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 | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-4 | Register | USN-11 | As an admin, I should be able to register myself as one using unique email and password. | 2 | Medium | M Siddarth Varun Krishna Jerfin Sarah |

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|----------|-----------|--------|--|---|--------|--|
| Sprint-4 | Login | USN-12 | As an admin I should be able to login myself as one using unique email and password. | 2 | Medium | M Siddarth Varun Krishna Jerfin Sarah |
| Sprint-4 | Dashboard | USN-13 | As an admin, I should be able to access the dashboard with everything I am allowed to use. | 2 | Medium | M Siddarth Varun Krishna Jerfin Sarah |

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 | 26 Oct 2022 | 01 Nov 2022 | 28 | 01 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 02 Nov 2022 | 07 Nov 2022 | 10 | 07 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 08 Nov 2022 | 13 Nov 2022 | 25 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 6 | 19 Nov 2022 |

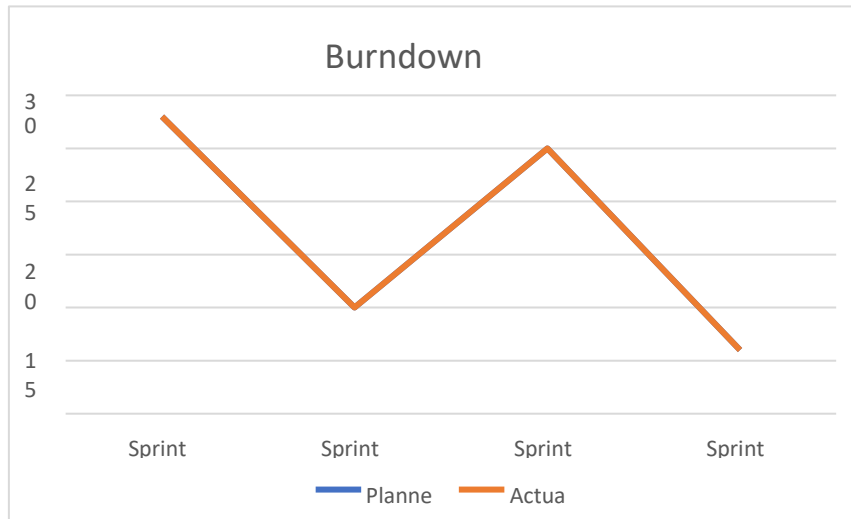
Velocity:

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)

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

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.



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>