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

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID19407 |
| Project Name | Project – Personal Expense Tracker |
| 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. | 8 | High | Rohith, Sam Jemil |
| Sprint-1 | Login | USN-2 | As a user, I can log into the application by entering email & password | 8 | High | Rengaraja, Sivasakthi |
| Sprint-2 | Add Expense | USN-3 | As a user, I can add the day-to-day expense to the application | 5 | Medium | Rohith, Sam Jemil |
| Sprint-2 | Edit and Delete Expense | USN-4 | As a user, I can edit and delete the previously created expense | 5 | Medium | Rengaraja, Sivasakthi |
| Sprint-3 | Creating time-based filters in history. | USN-5 | As a user, I can see the time-based history of expenses. | 8 | High | Rohith, Sam Jemil |
| Sprint-3 | Integrating with pie-charts for analysis | USN-6 | As a user, I can view diagrammatic representation of expenses | 5 | Medium | Rengaraja, Sivasakthi |
| Sprint-4 | Enabling limit feature | USN-7 | As a user, I can set monthly limit to expenses | 5 | Medium | Rohith, Sam Jemil |
| Sprint-4 | Sending Email Alerts | USN-8 | As a user, I will receive a mail if I cross a limit | 8 | High | Rengaraja, Sivasakthi |

**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 | 16 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 16 | 29 Oct 2022 |
| Sprint-2 | 12 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 10 | 05 Nov 2022 |
| Sprint-3 | 14 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 13 | 12 Nov 2022 |
| Sprint-4 | 14 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 13 | 19 Nov 2022 |
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**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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[https://www.atlassian.com/agile/tutorials/burndown-charts](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[https://www.atlassian.com/agile/project-management](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/how-to-do-scrum-with-jira-software)

[https://www.atlassian.com/agile/tutorials/epics](https://www.atlassian.com/agile/tutorials/epics)

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[https://www.atlassian.com/agile/tutorials/burndown-charts](https://www.atlassian.com/agile/tutorials/burndown-charts)