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

| Date | 29 October 2022 |
|---|---|
| Team ID | PNT2022TMID35388 |
| Project Name | Personal Expense Tracker Application |
| 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. | 2 | High | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-3 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-2 | | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 1 | High | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-1 | | USN-5 | As a user, I can login to user dashboard and see the info about my income and expenses | 1 | High | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-2 | Dashboard | USN-6 | As a user, I can enter my income and expenditure details | 2 | High | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |
| Sprint-4 | | USN-7 | As a customer care executive, I can solve the login issues and other application issues | 2 | Medium | Muthu Vengateshwari G, Mahalakshmi S, Preetha S, Birundha K |

**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 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 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