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

| Date | 20 October 2022 |
|---|---|
| Team ID | PNT2022TMID03491 |
| Project Name | 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. | 2 | High | Anand Mohanan |
| Sprint-3 | Secuirty | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 2 | High | Anand Mohanan |
| Sprint-3 | Registration | USN-3 | As a user, I can register for the application through Facebook | 1 | Low | Prasanna M |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Syed Rayaan Ahmedh |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 2 | High | Anand Mohanan |
| Sprint-2 | Dashboard | USN-6 | As a user,I can view,edit,delete my expenses and budget. | 2 | High | Arunachalam |
| Sprint-3 | Report | USN-7 | As a user, I can group the expenses | 1 | Medium | Syed Rayaan Ahmedh |
| Sprint-4 | In built Calender | USN-8 | As a user,I can keep track of the expenses and other financial stuff using the calender. | 1 | Low | Prasanna |
| Sprint-2 | Alert | USN-9 | As a user, i should be able to receive alerts whenever i exceed my limit. | 2 | High | Anand Mohanan |
| Sprint-4 | Graphical Representation | USN-10 | As a user,I can view my expense data in a graphical way. | 1 | Medium | Anand Mohanan |
| Sprint-4 | Security | USN-11 | As a administrator, i can view if there are any spam accounts and i should be able to ban them | 2 | Medium | Prasanna |
| Sprint-4 | Help | USN-12 | As a customer care executive, I should be able to receive calls from users for any help. | 1 | Low | Arunachalam |
| Sprint-3 | Chat Bot | USN-13 | As a customer, I should be able to chat with the | 2 | High | Syed Rayaan |

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|--------|--------|--------|--------|--------|--------|--------|
| | | | chat bot regarding any queries. | | | Ahmedh |

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