

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 1 November 2022                                |
| Team ID       | PNT2022TMID06716                               |
| Project Name  | Project - Personal Expense Tracker Application |
| Maximum Marks | 8 Marks  |

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| 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     | Dhanush P<br>Dhinathayalan L                    |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 2            | High     | Dhileebanraja A<br>Dinesh KM                    |
| Sprint-2 |                               | USN-3             | As a user, I can register for the application through Mobile Number                                       | 2            | Low      | Dhanush P<br>Dinesh KM                          |
| Sprint-2 | Login                         | USN-4             | As a user, I can log into the application by entering email & password                                    | 2            | Medium   | Dhileebanraja A<br>Dinesh KM                    |
| Sprint-2 | Dashboard                     | USN-5             | As a user, to able to see the basic features of the application can be viewed                             | 3            | High     | Dhanush P<br>Dhinathayalan L                    |
| Sprint-4 |                               | USN-6             | As a customer is able to set up their salary and save his expenses  | 5            | High     | Dhanush P<br>Dhileebanraja A                    |
| Sprint-3 |                               | USN-7             | Customer can able to track their expense by checking the expenditure graph                                | 5            | High     | Dhanush P<br>Dhinathayalan L                    |
| Sprint-3 |                               | USN-8             | Customer can export their expense graph   | 5            | High     | Dhanush P<br>Dhinathayalan L<br>Dhileebanraja A |
| Sprint-4 |                               | USN-9             | Customer can edit their expense limits on the mid way of the month  | 5            | High     | Dhanush P<br>Dinesh KM<br>Dhinathayalan L       |

**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 | 5                  | 6 Days   | 24 Oct 2022       | 29 Oct 2022               |   |                              |
| Sprint-2 | 7                  | 6 Days   | 31 Oct 2022       | 05 Nov 2022               |   |                              |
| Sprint-3 | 10                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               |   |                              |
| Sprint-4 | 10                 | 6 Days   | 14 Nov 2022       | 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>