

## Project Planning Phase

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

|               |                                    |
|---------------|------------------------------------|
| Date          | 31 October 2022                    |
| Team ID       | PNT2022TMID02710                   |
| Project Name  | Project - Personal Expense Tracker |
| 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     | Harshine janani    |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                            | 3            | High     | Harine             |
| Sprint-1 | Login                         | USN-3             | As a user, I can log into the application by entering email & password   | 5            | High     | Arthik             |
| Sprint-1 | Dashboard & Logout            | USN-4             | As a user, once I logged in I can access all the features of the web app and Logout once I completed all the work. | 5            | High     | Harshine           |
| Sprint-1 |                               | USN-5             | Once logged In, Keep me logged for few hours to avoid repeated login if the page is refreshed                      | 4            | Medium   | Janani             |
| Sprint-2 | Expense                       | USN-6             | Add total income for the month and Allow for edit option   | 6            | High     | Harine             |
| Sprint-2 |                               | USN-7             | Split the total income based on usage like entertainment, food, shopping etc.                                      | 2            | Low      | Arthik             |
| Sprint-2 |                               | USN-8             | Add the day to day expense.  | 6            | High     | Harshine           |
| Sprint-2 |                               | USN-9             | Display the user added expense   | 6            | High     | Janani             |
| Sprint-3 |                               | USN-10            | Filter the expense data based on criteria  | 6            | Medium   | Harine             |
| Sprint-3 | Charts                        | USN-11            | As a user I can display it in graphs   | 4            | Low      | Arthik<br>Janani   |
| Sprint-3 | Alerts                        | USN-12            | As a user I create custom alert for the balance  | 10           | High     | Harshine<br>Harine |
| Sprint-4 | Deployment                    | USN-13            | As a user I should able to access it anywhere in the net   | 20           | High     | Split between 4    |

**Project Tracker, Velocity (4 Marks)**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| Sprint-1      | 20                        | 6 Days          | 27 Oct 2022              | 2 Nov 2022                       | 20   | 2 Nov 2022                          |
| Sprint-2      | 20                        | 6 Days          | 3 Novt 2022              | 8 Nov 2022                       | 20   | 8 Nov 2022                          |
| Sprint-3      | 20                        | 6 Days          | 9 Nov 2022               | 14 Nov 2022                      | 20   | 14 Nov 2022                         |
| Sprint-4      | 20                        | 6 Days          | 15 Nov 2022              | 20 Nov 2022                      | 20   | 20 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)

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

| Sprint   | Total story points | Duration | Average velocity |
|----------|--------------------|----------|------------------|
| Sprint 1 | 20                 | 6 Days   | 20 / 6 = 3.33    |
| Sprint 2 | 20                 | 6 Days   | 20 / 6 = 3.33    |
| Sprint 3 | 20                 | 6 Days   | 20 / 6 = 3.33    |
| Sprint 4 | 20                 | 6 Days   | 20 / 6 = 3.33    |
| Total    | 80                 | 24 Days  | 80 / 24 = 3.33   |

## Milestone & Activities

| Milestone       | Activities   |
|-----------------|--|
| Registration    | <ul style="list-style-type: none"><li>• User account creation</li><li>• User verification using mail</li></ul> |
| Login           | <ul style="list-style-type: none"><li>• User Login</li><li>• Maintain user logged status</li></ul>             |
| Add Income      | <ul style="list-style-type: none"><li>• Add user income and edit</li><li>• Split the income</li></ul>          |
| Add Expense     | <ul style="list-style-type: none"><li>• Add user day to day expense</li></ul>                                  |
| Display Expense | <ul style="list-style-type: none"><li>• Display the expense data</li></ul>                                     |
| Filter Expense  | <ul style="list-style-type: none"><li>• Create custom filter for filtering the past expense data</li></ul>     |
| Show Charts     | <ul style="list-style-type: none"><li>• Display charts</li></ul>   |
| Show Alerts     | <ul style="list-style-type: none"><li>• Display alert if the level reached</li></ul>                           |
| Deployment      | <ul style="list-style-type: none"><li>• Deploy the app</li></ul>   |