

Project Planning Phase

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|---------------|------------------------------------|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID17070 |
| 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. | 2 | High | Terish Babu & Yuva Ganesh |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 2 | High | Vignesh Pandian & Vasantha Kumar |

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|----------|-------------|-------|---|---|--------|---|
| Sprint-1 | Dashboard | USN-3 | As a user, I can login and access my dashboard and expenses page. | 3 | High | Terish Babu , Yuva Ganesh, Vignesh Pandian, Vasanthakumar |
| Sprint-2 | User Action | USN-4 | As a user, I can add an expense. | 2 | High | Terish Babu |
| Sprint-2 | User Action | USN-5 | As a user, I can add money to my account anytime necessary. | 2 | Medium | Terish Babu |
| Sprint-2 | Dashboard | USN-6 | As a user, I can view my dashboard to see balance remaining, the last transactions made, and where I have spent them. | 3 | High | Yuva Ganesh & Terish Babu |
| Sprint-3 | Warning | USN-7 | As a user, if I exceed my limit, I should be warned with an email. | 3 | Low | Yuva Ganesh |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|--|
| Sprint-3 | Customization | USN-8 | As a user, I should be able to set rewards and goals for myself to feel inclined to continue to spend wisely. | 5 | High | Terish Babu, Yuva Ganesh, Vignesh Pandian, Vasanthakumar |
| Sprint-3 | User Action | USN-9 | As a user, I can set a monthly limit for my expenses. | 2 | Medium | Terish Babu |
| Sprint-4 | Customization | USN-10 | As a user, I can create custom categories that are given to me as a choice when I upload/update an | 3 | Medium | Yuva Ganesh |
| Sprint-4 | Analysis | USN-11 | At the end of every month, as a user, I should be able to view my monthly expenses, projections in the form of dashboards and graphs. | 3 | High | Terish Babu & Yuva Ganesh |
| Sprint-4 | Warning | USN-12 | As a user, I should be able to set reminders to alert me of periodic transactions or delayed expenses | 3 | Medium | Vasanthakumar |

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 | 06 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 07 | - (Meet Planned Date) |
| Sprint-2 | 06 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 07 | - (Meet Planned Date) |
| Sprint-3 | 06 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 10 | - (Meet Planned Date) |
| Sprint-4 | 06 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 09 | - (Meet Planned Date) |

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)

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

Average Velocity:

Average points per sprint = $(7 + 7 + 10 + 9) / 4 = 8.25$

Story points per day/ Average Velocity = $8.25/6 = 1.375$

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.

The burndown chart can only be generated once a sprint or two is completed. It currently doesn't generate a burndown chart. We will upload the same to the Jira Files directory as and when our burndown chart gets updated.