

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID19316
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	Aarthi N & Aarthi S K
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	2	High	Anirudh T N & Joseph Amirtharaj
Sprint-1	Dashboard	USN-3	As a user, I can login and access my dashboard and expenses page.	3	High	Aarthi N & Aarthi S K & Anirudh T N & Joseph Amritharaj
Sprint-2	User Action	USN-4	As a user, I can add an expense.	2	High	Aarthi S K
Sprint-2	User Action	USN-5	As a user, I can add money to my account anytime necessary.	2	Medium	Aarthi N
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	Anirudh T N & Joseph Amirtharaj
Sprint-3	Warning	USN-7	As a user, if I exceed my limit, I should be warned with an email.	3	Low	Anirudh T N

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	Aarthi N & Aarthi S K & Anirudh T N & Joseph Amritharaj
Sprint-3	User Action	USN-9	As a user, I can set a monthly limit for my expenses.	2	Medium	Aarthi N
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 expense.	3	Medium	Aarthi S K
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	Aarthi N & Aarthi S K
Sprint-4	Warning	USN-12	As a user, I should be able to set reminders to alert me of periodic transactions or delayed expenses that are to be completed.	3	Medium	Joseph Amirtharaj

#### 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.