

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02337
Project Name	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.	6	High	Team leader
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	6	High	Team Member 3
Sprint-1	Change Password	USN-3	As a user, I can change my password	4	Medium	Team leader, Team member 2
Sprint-1	Confirmation	USN-4	As a user, I will receive confirmation email once I have registered for the application	4	Medium	Team Member 2, Team Member 3
Sprint-2	Dashboard	USN-5	As a user, I can view dashboard and select	10	High	Team leader, Team Member 2
Sprint-2	Add Expense	USN-6	As a user, I can add my financial status	5	High	Team Member 1, Team Member 3
Sprint-2	Update Expense	USN-7	As a user, I can update by daily expenditure	5	High	Team leader, Team Member 3
Sprint-3	Manage data	USN-8	As an admin, I can manage user data and premium user data	8	High	Team leader, Team Member 3
Sprint-3	Notifications	USN-9	As a user, I will receive notifications when my expense crosses the limit.	8	High	Team Member 2, Team Member 3
Sprint-3	Expense History	USN-10	As a user, I can track the history of expenses made.	4	Medium	Team Member 1, Team Member 3
Sprint-4	Smart Investment	USN-11	As a premium user, I can avail the Smart Investment feature	10	High	Team Member 1
Sprint-4	Graph Visualization	USN-12	As a user, I can visualize my history of expenses.	10	High	Team Member 2

### 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	20	19 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	19 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	19 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

#### Velocity:

$$AV = 20/6 = 3.3333...$$

$$\text{Sprint 1(AV)} = 3.34$$

$$\text{Sprint 2(AV)} = 3.34$$

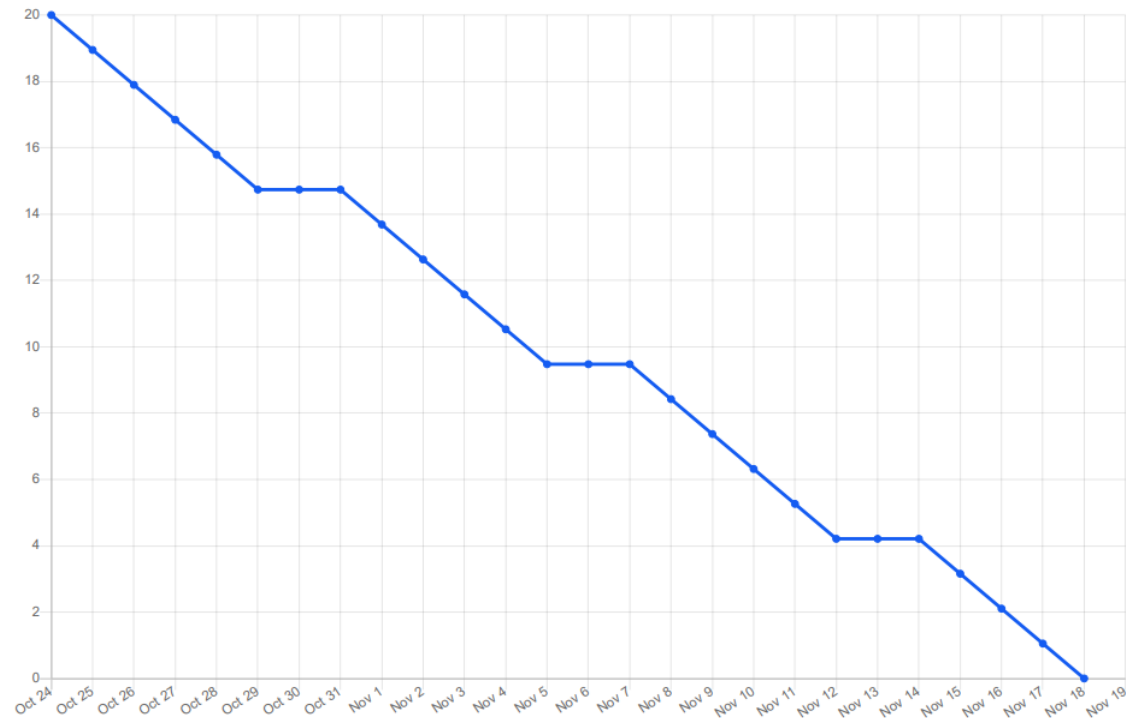
$$\text{Sprint 3(AV)} = 3.34$$

$$\text{Sprint 4(AV)} = 3.34$$

## Burndown Chart:

A burndown 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.

Burndown Chart



## Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>