

## Project Planning Phase

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

Date	19 October2022
Team ID	PNT2022TMID20376
Project Name	Personal Expense Tracker Application
Maximum Marks	8Marks

#### 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	Register for the application by entering email, password, and confirming password.	2	High	Amirta Varshini
Sprint-1		USN-2	As a user will receive confirmation email once have registered for the application	1	High	Amirta Varshini
Sprint-2		USN-3	Register for the application through Facebook	2	Low	Bhoomika
Sprint-1		USN-4	User register for the application through Gmail	2	Medium	Garishma
Sprint-1	Login	USN-5	User log into the application by entering email & password	1	High	Garishma
Sprint-3	Dashboard	USN-6	Expenditure details on the application	3	High	Darshini
Sprint-3	Limits	USN-6	User can set monthly expense limit so that receive a mail on exceeding	4	High	Darshini
Sprint-4	Reports	USN-6	View the graphical form of expenses category wise	5	Medium	Abirami

**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	6	6 Days	15 Oct 2022	30 Oct 2022	6	30 Oct 2022
Sprint-2	2	6 Days	30 Oct 2022	05 Nov 2022	2	05 Nov 2022
Sprint-3	7	6 Days	05 Nov 2022	12 Nov 2022	7	12 Nov 2022
Sprint-4	5	6 Days	12 Nov 2022	19 Nov 2022	5	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)

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

**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>