

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53475
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	Registration page: Getting details from users such as name, phone number, Mail id, Password, User name.	3	High	Nantha Kumar , Gayathri N R
Sprint-2	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Kamalika, Lokeshwaran
Sprint-3	Dashboard	USN-3	Getting Personal Details: Salary	1	Low	Kamalika PNM, Gayathri N R
Sprint-4	Analysis	USN-4	Analysing with the previous month Salary, Classification of the analysis according to the items they have spent.	3	High	Kamalika PNM, Gayathri N R, Nantha Kumar G, Lokeshwaran
Sprint-5	Results	USN-5	Displaying the Analysis using the Matplotlib graphs.	1	High	Kamalika PNM, Gayathri N R, Nantha Kumar G, Lokeshwaran

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)	Velocity
Sprint-1	30	2 Days	24 Oct 2022	26 Oct 2022	30	26 Oct 2022	15
Sprint-2	20	2 Days	27 Oct 2022	29 Oct 2022	20	29 Oct 2022	10
Sprint-3	10	3 Days	30 Oct 2022	2 Nov 2022	10	2 Nov 2022	3.3
Sprint-4	30	15 Days	3 Nov 2022	18 Nov 2022	30	18 Nov 2022	2
Sprint -5	10	2 Days	19 Nov 2022	21 Nov 2022	10	21 Nov 2022	5

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)

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

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. Burndown Chart for Personal Expense Tracker.

