

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21261
Project Name	Personal Expense Tracker Application
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	Nivedha G
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dhinesh Kumar B
Sprint-1		USN-3	As a user ,I can register for the application through gmail	2	High	Mohamadh Harrish A
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Dhatshaeni E
Sprint-2	Dashboard	USN-5	As a user I can link the bank account to access transaction history	2	High	Nivedha G
Sprint-2		USN-6	As a user I can access the labels to update for each transaction.	1	High	Dhinesh Kumar B
Sprint-3		USN-7	As a user I can set Budget limit for monthly expenses	2	Medium	Mohamadh Harrish A
Sprint-3		USN-8	As a user I can create separate label and set budget limit for each and every label	2	Medium	Dhatshaeni E
Sprint-3		USN-9	As a user I can add expenses manually	2	Low	Nivedha G
Sprint-4	Alerts	USN-10	As a user I can customize the notification alerts for budget limits.	1	Medium	Mohamadh Harrish A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-11	As a user I can only change the budget limit with a limited time period.	1	Medium	Dhinesh Kumar B
Sprint-4	Graph	USN-12	As a user I can view the Expense-Time graph	3	High	Dhatshaeni E

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	14 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)

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

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.

