

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID04493
Project Name	Project – 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, name and confirming my password.	2	High	Vishnu M K
Sprint-1	Account Activation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Vishnu M K
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	2	High	Vedhapriyaa S
Sprint- 2	Dashboard	USN-4	As a user, I can add expenses and income	2	High	Srivarshan T
Sprint- 4	Dashboard	USN-5	As a user, I can change my password through reset link from email	1	Low	Srivarshan T
Sprint- 2	Dashboard	USN-6	As a user, I can view my past expenses and income over a period of time and visualize them	2	High	Vishnu M K
Sprint- 4	Notification	USN-7	As a user, when my monthly limit exceeds, I get a email notification	1	Low	Srivarshan T
Sprint- 4	Dashboard	USN-8	As a user, I can set a monthly expense limit	1	Low	Vishnu Kiran M
Sprint- 3	Forget password	USN-9	As a user, I can get a reset password link if I forget it through mail	2	High	Vishnu Kiran M
Sprint- 3	Forget password	USN-10	As a user, I can change my password if I forget it	2	High	Vedhapriyaa S

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 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)

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

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>