

Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

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	2
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	1
Sprint-1		USN-3	As a user, I can register for the application through Gmail	1	High	1
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	3	High	3

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint -2	Login	USN-5	As a user, after logging in, I will have to update my profile by providing all the required details	5	High	4
Sprint-3	Expense update	USN-6	As a user, I can add wallet balance and add or delete my expense	5	Medium	4
Sprint-3	Expense update	USN-7	As a user, I can update my expenses in the wallet periodically	2	Low	2
Sprint-4	Email alert	USN-8	As a user, I can fix some limit for spending within the wallet balance	3	High	3
Sprint-1	Email alert	USN-9	As a user, I will receive email notification if I reached the limit	2	High	2
Sprint-2	Verification	USN-10	As a user, I can verify the entered expenses correctly	5	High	4
Sprint-3	Comparison	USN-11	As a user, I can compare current month expense and previous month expense, if it is less than previous month or not.	3	High	3
Sprint-4	Output	USN-12	As a user, I can maintain the privacy with the help of username and password	3	High	4

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)

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