

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00713
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	Rahul S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Tarun V
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Rokesh A
Sprint-1	Dashboard	USN-4	As a registered user, it takes the user to the dashboard	2	High	Sai Kumar M
Sprint-2	Workspace	USN-1	Showing the workspace for personal expense tracker	2	Medium	Rokesh A
Sprint-2	Charts	USN-2	Creating various graphs and statistics of customers data	1	High	Rahul S
Sprint-2	Connecting to IBM DB2	USN-3	To link the database with dashboard	2	High	Tarun V
Sprint-2	Dashboard	USN-4	To make a dashboard with javascript	2	High	Sai Kumar M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Frontend	USN-1	To wrap up the server side works of frontend	1	Medium	Rokesh A
Sprint-3	Watson Assistant	USN-2	Creating chatbot	1	Medium	Sai Kumar M
Sprint-3	SendGrid	USN-3	Integrating SendGrid services	1	Low	Rahul S
Sprint-3		USN-4	Integrating both frontend and backend	2	Medium	Tarun V
Sprint-4	Docker	USN-1	To create images of website using docker	2	High	Rahul S
Sprint-4	Cloud Registry	USN-2	To upload docker image to IBM Cloud Registry	2	High	Sai Kumar M
Sprint-4	Kubernetes	USN-3	To create a container using docker image and hosting the site	2	High	Tarun V
Sprint-4	IP ports	USN-4	Exposing IP Ports for the site	2	High	Rokesh A

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

Imagine we have a 6-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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{6} = 3.33$$