

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID07268
Project Name	Project – Retail store stock inventory analytics
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 (Mobile user)	USN-1	As a user, I can register for the web application by entering my email, password, and confirming my password.	3	High	Team member-1
Sprint-1		USN-2	As a user, after completing the registration I will receive confirmation email once I have registered for the web application	2	High	Team member-2 & Team member-3
Sprint-2		USN-3	As a user, I can register for the web application through LinkedIn	3	Medium	Team member-3 & Team member-4
Sprint-2		USN-4	As a user, I can register for the web application through Google account	3	Medium	Team member-4 & Team member-5
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	Team member-3 & Team member-5
Sprint-4	Dashboard	USB-6	As a user, I can view the charts and graphs representation of the dataset and the information shown in the dashboard.	2	High	Team member-2 & Team member-4
Sprint-1	Registration (Web user)	USB-1	As a user, I can register for the web application entering my email, password and confirming my password.	3	Medium	Team member-1 & Team member-2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USB-2	As a user, after completing the registration I will receive confirmation email once I have registered for the web application	2	Medium	Team member-4 & Team member-5
Sprint-2		USB-3	As a user, I can register for the web application through LinkedIn	3	High	Team member-1 & Team member-3
Sprint-2		USB-4	As a user, I can register for the web application through Google account	3	Medium	Team member-2
Sprint-3	Login	USB-5	As a user, I can log into the web application by entering email & password after installing the application.	3	High	Team member-1 & Team member-5
Sprint-4	Dashboard	USB-6	As a user, I can log into the web application by entering email & password after installing the application.	2	High	Team member-2 & Team member-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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	4	19 Nov 2022

Velocity:

Imagine we have a 6-day sprint duration, and the velocity of the team is 9(approx.) (points per sprint). Let's calculate the team's average velocity (AV)per iteration unit (story points per day)

$$AV = \text{Sprint duration} / \text{velocity} = 9 / 6 = 1.5$$

Sprint	Total Story Points	Duration	Average Velocity
Sprint-1	19	6 Days	3.16
Sprint-2	18	6 Days	3
Sprint-2	16	6 Days	2.66
Sprint-2	17	6 Days	2.83
Sprint-2	70	24 Days	2.91

Burnout 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 overtime.

Burnout chart:

