

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID24361
Project Name	Retail Store Stock Inventory Management
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.	8	High	Kasthuri , snegha
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Pranavya, Amirthavarshini
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Rishitha, Kasthuri
Sprint-1		USN-4	As a user, I can register for the application through Gmail	4	Medium	Pranavya, Snegha
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	10	High	Amirtha, Rishitha
Sprint-2	Dashboard	USN-6	As a user, I can view the year wise price representation of the dataset	8	High	Kasthuri
Sprint-3		USN-7	As a user, I can view the wise stock representation of the dataset	8	High	amithavarshini
Sprint-3		USN-8	As a user, I can view the top 10 sales of the given dataset	8	High	Pranavya
Sprint-3		USN-9	As a user, I can view the monthly sales of stock for the dataset	4	Medium	Rishitha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-10	As a user, I can view the monthly revenue the stock for the dataset.	10	High	Kasthuri, Amirtha
Sprint-4		USN-11	As a user, I can view the summary of the retail stock dataset	10	High	Rishitha, Snegha

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)

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

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.