

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID32631
Project Name	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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	8	High	Brundha, Dhanalakshmi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Karthick, Maheswaran
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Brundha, Dhanalakshmi
Sprint-1		USN-4	As a user, I can register for the application through Gmail	4	Medium	Karthick, Maheswaran
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	10	High	Maheswaran, Karthick
M	Dashboard	USN-6	As a user, I can view the year wise price representation of the dataset	8	High	Maheswaran
Sprint-3		USN-7	As a user, I can view the wise stock representation of the dataset	8	High	Dhanalakshmi
Sprint-3		USN-8	As a user, I can view the top 10 sales of the given dataset	8	High	Karthick
Sprint-3		USN-9	As a user, I can view the monthly sales of stock for the dataset	4	Medium	Brundha

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	Brundha ,Dhanala kshmi
Sprint-4		USN-11	As a user, I can view the summary of the retail stock dataset	10	High	Maheswaran, Karthick

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.