

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21282
Project Name	Inventory Management System for Retailers
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	Sinduja P
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Harshini Sivakami V
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	8	Low	Sinduja P
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	3	Medium	Snehapoorni K
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Snehapoorni K
Sprint-2	Dashboard	USN-6	As a user, I can view the stock availability status	3	High	Harshini Sivakami V
Sprint-3	Dashboard	USN-7	As a user, I can view the orders status	3	Medium	Samyukta M
Sprint-4	Dashboard	USN-8	As a user, I can view the shipping tracking status	2	Medium	Samyukta M

Sprint-4	Alerts	USN-9	As a user, I should receive alerts on stock availability if it drops belows the set threshold	2	Medium	Harshini Sivakami V
Sprint-1	Registration	USN-10	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Snehapoorni K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-11	As a user, I will receive confirmation email once I have registered for the application	3	High	Harshini Sivakami V
Sprint-2	Registration	USN-12	As a user, I can register for the application through Facebook	3	Low	Sinduja P
Sprint-1	Registration	USN-13	As a user, I can register for the application through Gmail	3	Medium	Snehapoorni K
Sprint-1	Login	USN-14	As a user, I can log into the application by entering email & password	3	High	Harshini Sivakami V
Sprint-2	Dashboard	USN-15	As a user, I can view the stock availability status	4	High	Samyukta M
Sprint-3	Dashboard	USN-16	As a user, I can view the orders status	8	Medium	Snehapoorni K
Sprint-4	Dashboard	USN-17	As a user, I can view the shipping tracking status	4	Medium	Samyukta M
Sprint-4	Alerts	USN-18	As a user, I should receive alerts on stock availability if it drops belows the set threshold	3	Medium	Sinduja P
Sprint-4	Chat box	USN-19	As a customer care executive,I can view the complaints on chat box	4	Medium	Harshini Sivakami V
Sprint-4	Chat box	USN-20	As a customer, I should be able solve and reply for the customers queries	3	Low	Snehapoorni K

Sprint-4	Chat box	USN-21	As a customer, I can close the complaint after assisting	3	Low	Sinduja P
Sprint-3	Admin	USN-22	As a Administrator, I would take care of registrations and maintenance of accounts,	8	High	Harshini Sivakami V
Sprint-2	Admin	USN-23	As a Administrator, I Would resolve issues on Access	3	High	Snehapoorni K
Sprint-4	Admin	USN-24	As a Administrator, I Would resolve issues in supply chain /Syncing of Orders	4	High	Samyukta M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

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	22	6 Days	24 Oct 2022	29 Oct 2022	22	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	19	6 Days	07 Nov 2022	12 Nov 2022	19	12 Nov 2022
Sprint-4	22	6 Days	14 Nov 2022	19 Nov 2022	22	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)

Burdown Chart:

Burndown Chart

