

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

Date	20 October 2022
Team ID	PNT2022TMID02676
Project Name	Inventory Management for Retailers
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement(Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a normal user, I can register for the application by entering my email and password and confirming my password and giving the inventory ID	10	High	Ambarish, Akash
Sprint-1		USN-2	As an admin user, I can register for the application by entering my email and password and confirming my password and giving the inventory Name	10	High	Jeba Regan Raj, Jayanth
Sprint-1	Login and Authentication	USN-3	As a normal user and admin user, I can log into the application by entering email & password	10	High	Jayanth
Sprint-2	Dashboard	USN-4	As a normal user, I can log into my account and access the Dashboard	10	High	Jeba ReganRaj
Sprint-2	Edit Details	USN-5	As a normal user, I can edit my details	10	High	Akash, Ambarish

Sprint-2		USN-6	As an admin user, I can edit my details and change my Inventory name	10	High	Ambarish, Akash
Sprint-3	Management	USN-7	As an admin user, I can add warehouses and add/remove products to them	10	High	Jeba Regan Raj, Jayanth
Sprint-3		USN-8	As a normal user, I can remove products to them	10	High	Jayanth
Sprint-4	Notification	USN-9	As a normal user, I should get mail if certainproducts count goes below the threshold count specified by me As an admin user, I should get mail if certainproducts count goes below the threshold count specified by me	10	Medium	Jeba Regan Raj

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	30	6 Days	24 Oct 2022	29 Oct 2022	30	29 Oct 2022
Sprint-2	30	6 Days	31 Oct 2022	05 Nov 2022	30	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

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.

