

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21428
Project Name	Project – 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	User can register for the application by entering my email, password, and confirming my password, with maximum security.	5	High	Pranav Sooriya
Sprint-1	Confirmation	USN-3	User will receive confirmation email once that they have registered for the application	5	Medium	Sethu Ram
Sprint-1	Login	USN-4	User can log into the application by entering email & password	5	High	Sooriya
Sprint-2	Dashboard	USN-5	view the products which are available in the inventory	10	High	Pranav Sooriya
Sprint-2	Stocks update	USN-6	add the products which are not available in the inventory and then restock the products to make them available	10	Medium	Sethu Ram

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Sendgrid	USN-7	User can register for the application through E-mail	10	Medium	Ram Sooriya Sethu Pranav
Sprint-4	Docker and Kubernetes	USN-8	Applications is deployed using Kubernetes and Docker	10	Medium	Pranav

#### 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	27 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	12 Nov 2022	13 Nov 2022	20	13 Nov 2022
Sprint-3	20	6 Days	15 Nov 2022	17 Nov 2022	20	17 Nov 2022
Sprint-4	20	6 Days	19 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)

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

**Sprint 1: 3.33**

**Sprint 2: 3.33**

**Sprint 3: 3.33**

**Sprint 4: 3.33**