

## Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID50251
Project Name	Inventory Management System 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	Retailer	USN-1	The retailer can enter the registration on our store details and owner details and enter with login.	20	High	A.rajesh kumar T.muthu raj R.subbaiah A.jeyapaul
Sprint-2	Inventory	USN-2	Once the retailers successfully log in to the application they can update their inventory details,also user will be able to add new stock by submitting essential related to the stock.	20	High	A.rajesh kumar T.muthu raj A.jeyapaul
Sprint-3	E-mail	USN-3	The system will automatically send an email alert to the retailers if there is no stock found in their account.	20	High	A.rajesh kumar T.muthu raj R.subbaiah A.jeyapaul
Sprint-4	Final delivery	USN-4	Container of the applications using docker, Kubernetes and deployment of the application Create the documentation and final submit the application	20	High	A.rajesh kumar T.muthu raj R.subbaiah A.jeyapaul

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 (storypoints per day)

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