

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 search for the stocks whatever he/she want and order them based on his/her requirement.	20	High	A.rajesh kumar T.muthu raj R.subbaiah A.jeyapaul
Sprint-2	Inventory Manager	USN-2	The role of the inventory manager is to check out the database about the stock and have a trackof all the things that the users are purchasing.	20	High	A.rajesh kumar T.muthu raj A.jeyapaul
Sprint-3	Chatbot	USN-3	The retailers can directly talk with the chatbot regarding the stocks available in the inventory. Get the recommendations based on information providedby the retailer.	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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$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$