

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

Date	18 October 2022
Team ID	PNT2022TMID28022
Project Name	Inventory Management System For Retailers
Maximum Marks	4 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.	3	High	Saranya, Akshita
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	2	Medium	Ilavarasi
Sprint-1		USN-3	As a user, I can log into the application by entering user name & password	1	Low	Deekshana
Sprint-2	Dashboard	USN-4	As a user, I can enter into the dashboard and view inventory	2	High	Deekshana, Saranya
Sprint-2		USN-5	As a user, I can add and update details of products and supplier	2	Medium	Akshita, Deekshana
Sprint-2		USN-6	As a user, I can delete and search for the details of products and supplier.	2	Medium	Ilavarasi, Saranya
Sprint-3	Order	USN-7	As a user, I can order the products based on needs.	2	High	Ilavarasi, Akshita

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-3	SendGrid	USN-8	As a user, I can receive Alerts and messages via email when the stocks are below the minimum stock quantity	3	high	Saranya, Akshita
		USN-9	As a user, I can request for the inventory report through email.	1	Medium	Deekshana, Ilavarasi
Sprint-4	Watson Assistant	USN-10	As a user, I can clarify the queries using chatbot	2	Medium	Saranya, Akshita
Sprint-4	Containerizing	USN-11	Containerizing the application.	4	High	Saranya, Akshita, Ilavarasi, Deekshana

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022

**Velocity:**

Imagine we have a 6-day sprint duration, and the velocity of the team is 6 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$= 6/6$$

$$= 1$$