

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID02644
Project Name	<b>Inventory Management System for Retailers</b>
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 StoryNumber	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.	5	High	Samyuktha G S Shivaneesh A Sankara Narayanan S Pavithran V V
Sprint-3		USN-4	As a user, I can register for the application.	8	High	Samyuktha G S
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	Samyuktha G S Shivaneesh A
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	Sankara Narayanan S Pavithran V V

Sprint-2		USN-6	As a user, I should be able to change password whenever I prefer.	2	Medium	Pavithran V V Samyuktha G S
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	2	Medium	Shivaneesh A Sankara Narayanan S
Sprint-2		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	3	Medium	Pavithran V V
Sprint-2		USN-9	As a retailer, I should get alert on stock shortage or unavailability.	5	Medium	Samyuktha G S
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	Sankara Narayanan S
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	Pavithran V V
Sprint-4		USN-2	Termination user accounts temporarily or permanently if needed.	5	Low	Shivaneesh A
Sprint-2	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	2	High	Shivaneesh A Sankara Narayanan S Pavithran V V Samyuktha G S

### 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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>