

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID06724
Project Name	Retail Store Stock Inventory Management System
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	Data Collection	USN-1	The dataset is collected and the data is understood.	2	High	Harini V Ishanthi N Dharani T
Sprint-1	Data Preparation	USN-2	The data preparation is done to reconstruct and clean the data.	3	High	Nandha K S Jayasri k
Sprint-2	Data Exploration	USN-3	To get better understanding of the data collected it is explored with the help different visualizations.	8	High	Dharani T Nandha K S
Sprint-3	Dashboard Creation	USN-4	To create an interactive and attractive dashboard using different visualizations about the sales,stock,revenue and price.	8	Medium	Harini V Ishanthi N
Sprint-4	Report Creation	USN-5	To create a detailed report of the sales,stocks,revenue and price.To get particular data report.	8	High	Ishanthi N Dharani T Nandha K S Jayasri
Sprint-4	Story Creation	USN-6	To view the data in the form of a story to get better understanding of the dataset.	8	High	Harini V Ishanthi N Dharani T Nandha K S Jayasri

### 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	5	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	16	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>