

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID08214
Project Name	Retail Store Stock Inventory Analytics
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-0	Registration	USN-1	As a user, I can register for the application by entering my userID, password, and confirming my password.	2	High	Sudeep M Srikanth G Bavankumar R Rajesh N
Sprint-1		USN-2	As a user, I can log into the application by entering userID & password	2	Medium	Sudeep M Srikanth G Bavankumar R Rajesh N

Sprint-2	Login	USN-3	As a user, I will login into my dashboard using the login details provided by the admin.	1	High	Sudeep M Srikanth G Bavankumar R Rajesh N
Sprint-3	Dashboard	USN-4	As a user, I will see the details of the inventory stocks which contains all the requirements for an user that will give perfect and simplistic appearance of a dashboard.	1	High	Sudeep M
Sprint-4		USN-5	As a customer, i will ask the admiin to reset the userid and password if required.	2	Medium	Sudeep M Srikanth G Bavankumar R
Sprint-4		USN-6	As a customer, I will get all the detailed and various aspects of stocks which will be updated frequently.	5	High	Sudeep M Srikanth G Bavankumar R

### 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	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 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 (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>