

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52083
Project Name	Project –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-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	Christy Jelin,Bharathi ,Banu,Kumar asan
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Christy jelin,Bharathi
Sprint-1	Email Verification	USN-3	As a user I can verify my email using the link sent to my mail id	5	High	Bharathi,Christy jelin,Banu
Sprint-2	API Fetch	USN-4	Fetch News from Rapid API at regular interval	10	High	Bharathi,Christy jelin
Sprint-2	REST Endpoints for backend	USN-5	Creating endpoints at the backend in order to interact with frontend	10	Medium	Christy jelin,Bharathi
Sprint-3	Designing Frontend	USN-6	Create a minimalisting design in figma to create frontend	2	Medium	Christy jelin,Bharathi, Banu
Sprint-3	Creating Frontend	USN-7	Create the frontend webpage using the design	10	Low	Kumaresan
Sprint-3	Connect frontend and backend	USN-8	Connect the frontend and backend and complete the application	8	High	Christy jelin,Bharathi, Banu
Sprint-4	Testing	USN-9	Testing the application before final release	10	High	Bharathi,Christy jelin

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Deployment	USN-10	Deployment of the application	10	High	Christy jelin,Bharathi, Banu,Kumara san

#### 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 (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>