

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27420
Project Name	News Tracker Application
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	Creating Login page Creating Registration page	10	High	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-1	Database Connectivity	USN-2	To Store details of the customer Connecting UI with Database	10	Medium	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-2	News Tracker UI	USN-3	Building UI News Tracker Application	10	High	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-2	API	USN-4	Connecting UI with News API, Google News API	10	High	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-3	SendGrid Integration	USN-5	SendGrid Integration With Python Code	10	Low	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-3	News Reader (Voice)	USN-6	Building Voice Assistant to read the news	10	Medium	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint-4	Containerization	USN-7	Containerizing the app	10	High	Rishabh, Pritish, Ruchi, Vinaljeet
Sprint -4	Upload image and deployment	USN-8	Upload Docker image to the IBMRegistry and deploy it in the Kubernetes Cluster	10	High	Rishabh, Pritish, Ruchi, Vinaljeet

**Project Tracker, Velocity & Burn down 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>

