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

Date	27 October 2023
Team ID	Team - 591103
Project Name	NewsFresh
Maximum Marks	8 Marks

Team Members:

Team Leader : Varun Sapra - 21BCE10224

Team member : Aditya Zaveri 21BCE10323

Team member : Aditya Harsh - 21BCE10346

Team member : Shwetambara Sahay- 21BCE591

- The project planning phase is a critical step in project management, setting the stage for a successful project. It involves the creation of a Project Planning Template, which includes key components like the Product Backlog, Sprint Planning, Stories, and Story Points.

- The Product Backlog acts as a repository for project requirements, while Sprint Planning breaks down these requirements into smaller, manageable Stories, each estimated in terms of Story Points. This phase establishes a clear project scope and priorities, facilitating resource allocation and organized development sprints. The Project Planning Template enhances communication, transparency, and accountability, aligning the team with common goals for a successful project outcome.

Product Backlog, Sprint Schedule, and Estimation (4 Marks):

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Startup screen	USN01	As an end user, I want a well developed landing screen for my app	2	High	Aditya Harsh
Sprint-1	Splash Screen	USN02	As an end user, I want a professional looking app with a splash screen	1	low	Aditya Zaveri
Sprint-1	Navigation Bar Design	USN02	As a user, I need a good looking landing page with a log and a navigation bar	2	Low	Shwetambara Sahay
Sprint-1	Different news sections	USN02	As a user, I need different news sections for different types of news	2	Medium	Varun Sapra
Sprint-2	Navigation	USN03	As an end user, I want to navigate the app using a bottom navigation bar for easy access to different sections.	1	High	Varun Sapra

Sprint-3	Adding a news API	USN04	As an end user, i need fresh articles based on my location	5	High	Varun Sapra
Sprint-2	Viewing Content	USN05	As an end user, I want to view articles and images in a visually pleasing material design format.	3	High	Shwetambara Sahay
Sprint-4	Content Moderation	USN06	As an administrator, I want to moderate user-generated content for compliance with community guidelines.	5	High	Aditya Zaveri
Sprint-3	Search Functionality	USN07	As an end user, I want to search for specific articles or content.	3	High	Varun Sapra
Sprint-2	Dark Mode	USN08	As an end user, I want the option to enable dark mode for a more comfortable viewing experience in low-light environments.	2	Medium	Shwetambara Sahay
Sprint-4	Support Tickets	USN09	As a customer care executive, I want to view and manage user support tickets for quick issue resolution.	5	High	Aditya Zaveri
Sprint-3	User Management	USN10	As an administrator, I want to manage user accounts and permissions for the app.	5	High	Aditya Harsh

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	10	4 Days	18 Oct 2023	21 Oct 2023	10	21 Oct 2023
Sprint-2	6	7 Days	22 Oct 2023	28 Oct 2023	6	28 Oct 2023
Sprint-3	13	7 Days	29 Oct 2023	04 Nov 2023	N/A (in progress)	04 Nov 2023
Sprint-4	10	6 Days	05 Nov 2023	09 Nov 2023	N/A (in progress)	09 Nov 2023

Velocity:

Sprint	Sprint Duration	Total Velocity	Average Velocity (AV)
Sprint-1	4 days	10 points	2.5 points per day
Sprint-2	7 days	6 points	approx. 0.857 points per day
Sprint-3	7 days	13 points	approx. 1.857 points per day
Sprint-4	6 days	10 points	approx. 1.667 points per day

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.

References Used:

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

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

https://www.statology.org/google-sheets-burdown-chart/
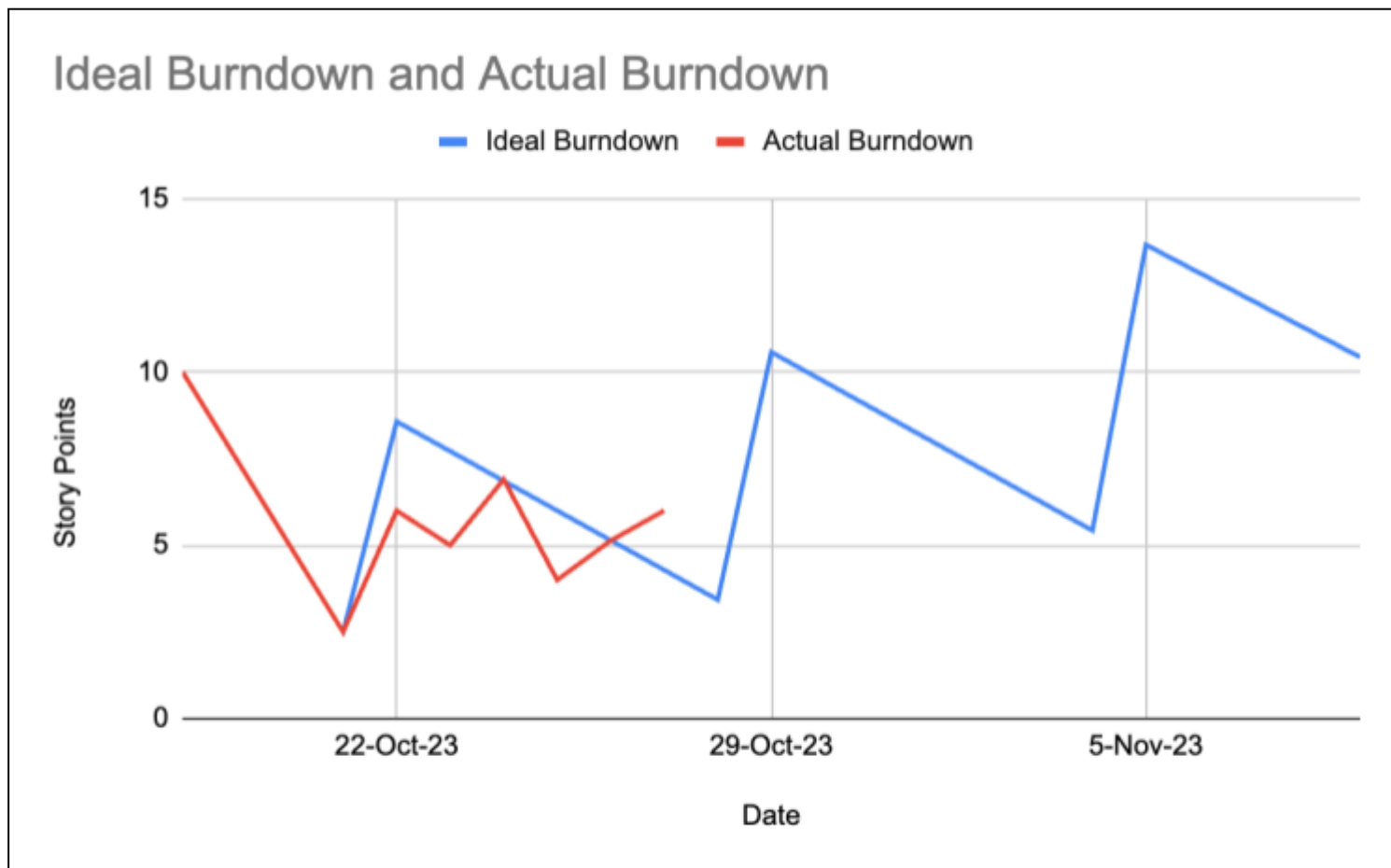
Velocity Equation:

$$AV = \frac{sprint\ duration}{velocity}$$