

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

Date	27 October 2023
Team ID	Team - 590879
Project Name	Owl: A Material Design App
Maximum Marks	8 Marks

Team Members:

Team Leader : Sania Anwar - 21BBS0251

Team member : Ramakrishna Naidu Kuna - 21BBS0221

Team member : Vineesh Nair - 21BBS0214

Team member : Rajvir Singh - 21BBS0252

- 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	Login	USN01	As an end user, I want to be able to log in to my account for personalized features and content.	2	High	Vineesh
Sprint-1	Sign up	USN02	As an end user, I want to be able to create a new account to access personalized features and content.	1	High	Vineesh
Sprint-1	Sign up	USN02	As a user, I can register for the application through Facebook	2	Low	Sania
Sprint-1	Sign up	USN02	As a user, I can register for the application through Gmail	2	Medium	Rajvir
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	Rajvir

Sprint-3	Creating Posts	USN04	As a content creator, I want to create and publish new posts with ease.	5	High	Ramakrishna
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	Sania
Sprint-4	Content Moderation	USN06	As an administrator, I want to moderate user-generated content for compliance with community guidelines.	5	High	Vineesh
Sprint-3	Search Functionality	USN07	As an end user, I want to search for specific articles or content.	3	High	Rajvir
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	Ramakrishna
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	Ramakrishna
Sprint-3	User Management	USN10	As an administrator, I want to manage user accounts and permissions for the app.	5	High	Sania

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

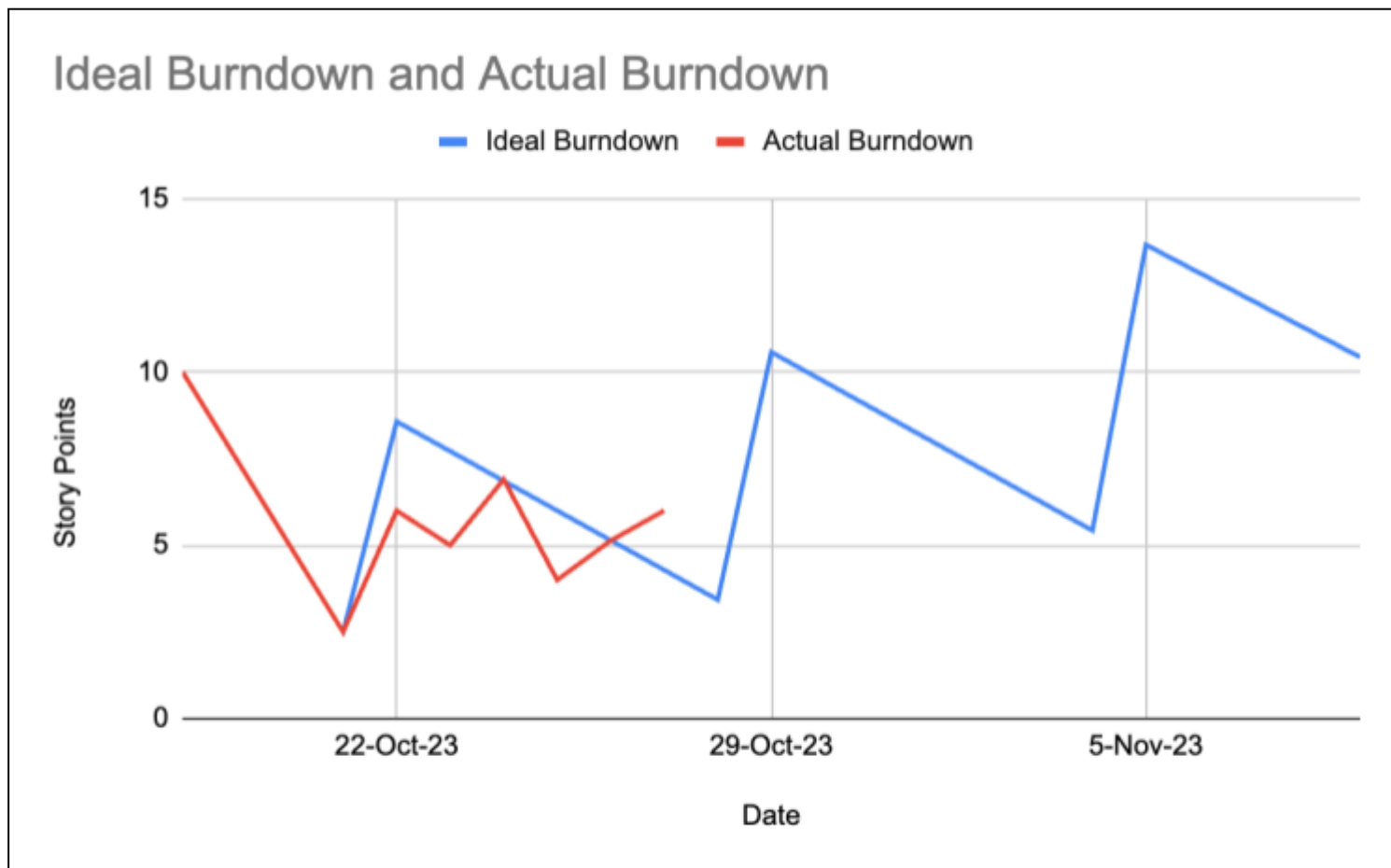
Velocity:

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.

NOTE: The Burndown chart is updated as sprints are completed. This chart has been generated as of October 26th, 2023.



References Used:

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

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

<https://www.statology.org/google-sheets-burndown-chart/>

Velocity Equation:

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