

# Phase 3: PROJECT PLANNING AND SCHEDULING

## 5.1 Project planning

Date	<b>02 April 2025</b>
Team ID	<b>SWTID1744391109</b>
Project Title	<b>Music Streaming App</b>
Maximum Marks	<b>5 Marks</b>

### Product Backlog, Sprint Schedule, and Estimation:

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 by entering my email, password, and confirming my password.	2	High	<b>Mayank</b>
Sprint-1	Confirmation	USN-2	As a user, I receive a confirmation mail on registration.	1	High	<b>Mayank</b>
Sprint-2	Registration	USN-3	As a user, I can register using Facebook.	2	Low	<b>Aditya</b>
Sprint-1	Registration	USN-4	As a user, I can register using Gmail.	2	Medium	<b>Aditya</b>
Sprint-1	Login	USN-5	As a user, I can log in using email and password.	1	High	<b>Ayush</b>

Sprint-1	Dashboard Setup	USN-6	As a user, I can view a basic homepage / dashboard when I login.	2	High	<b>Ayush</b>
Sprint-1	Navigation Functionality	USN-7	As a user I can play/ pause and navigate between the songs.	3	High	<b>Ansh</b>
Sprint-1	Favourites Functionality	USN-8	As a user I can mark the songs as my favourite.	3	Medium	<b>Ansh</b>
Sprint-2	Playlist Functionality	USN-9	As a user I can create a playlist.	3	High	<b>Ayush</b>
Sprint-2	Now Playing Function	USN-10	As a user, I can view the current playing song.	3	High	<b>Mayank</b>
Sprint-2	Add songs to queue	USN-11	As a user I can add the songs to the queue.	2	Medium	<b>Aditya</b>
Sprint-2	Add songs functionality	USN-12	As a user, I can add new songs to the music player.	3	High	<b>Ansh</b>

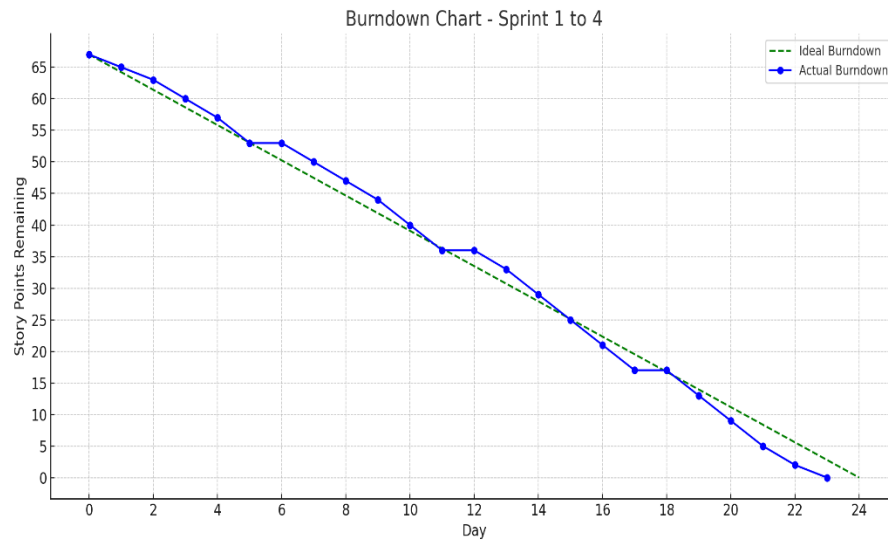
**Total Story Points: Sprint-1 = 14, Sprint-2 = 13**

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points completed</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	14	5 Days	1 April 2025	5 April 2025	14	6 April 2025
Sprint-2	13	5 Days	6 April 2025	10 April 2025	13	12 April 2025
Sprint-3	20	5 Days	11 April 2025	15 April 2025	TBD	TBD

**Velocity :**

- Total Story Points Completed (Sprint 1 + 2) = 14 + 13 = 27
- Total Sprints Completed = 2
- Velocity per Sprint =  $27 / 2 = 13.5$
- Average Velocity per Day =  $13.5 / 6 \approx 2.25$  Story Points/day



### Burndown Chart:

A burndown 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.