

Project Planning Phase

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

Date	22 JUNE 2025
Team ID	LTVIP2025TMID31510
Project Name	Airlines Management System
Maximum Marks	5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Assigned Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the portal by entering email and password	2	High	Naguluru Mahesh Reddy, Tejasree
Sprint-1		USN-2	As a user, I will receive a confirmation email upon successful registration	1	High	Tejasree
Sprint-1		USN-3	As a user, I can register via Gmail or LinkedIn	2	Medium	Dega Venkatarao
Sprint-1	Login	USN-4	As a user, I can log in with my email and password	2	High	Naguluru Mahesh Reddy
Sprint-2	Booking Management	USN-5	As a passenger, I can book a flight by selecting date, time, and destination	5	High	Aluru Omnath Reddy, Naguluru Mahesh Reddy
Sprint-2		USN-6	As an admin, I can view and manage all bookings	3	High	Tejasree
Sprint-3	Crew Assignment	USN-7	As a scheduler, I can assign crew members to flights automatically	3	Medium	Dega Venkatarao
Sprint-3	Reports	USN-8	As an admin, I can view reports on flights, bookings, and crew performance	2	Low	Aluru Omnath Reddy

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	7 SP	3 Days	18 June 2025	21 June 2025	7 SP	21 June 2025
Sprint-2	8 SP	3 Days	22 June 2025	25 June 2025	8 SP	25 June 2025
Sprint-3	5 SP	2 Days	26 June 2025	28 June 2025	5 SP	28 June 2025
Sprint-4	5 SP (Planned)	3 Days	29 June 2025	1 July 2025	Pending	Pending

Velocity Calculation:

- **Total Story Points Completed:** $7 + 8 + 5 = 20$ SP
- **Total Duration:** $3 + 3 + 2 = 8$ Days
- **Velocity per Sprint:** $20 / 3 = 6.67$ SP per Sprint (approx.)
- **Average Velocity per Day:** $20 \text{ SP} / 8 \text{ Days} = 2.5$ SP per Day

Burndown Chart: Airlines Management System Project:

Definition:

A burndown chart is a visual tool used to track the progress of your team during each sprint. It shows how many story points remain versus the number of days in the sprint.

Purpose for Your Project:

This is our team (Mahesh, Tejasree, Dega Venkatarao, and Aluru Omnath Reddy) completed work across your 4 sprints from 18 June to 30 June 2025.

