

# Project Planning Phase

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## Flight Booking

Date	16 December 2025
Team ID	LTVIP2026TMIDS76986
Project Name	Flight Booking
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	Team Members
Sprint-1	Registration	USN-1	As a user, I can register using email, password, and confirmation password	2	High	Aakarsha
Sprint-1		USN-2	As a user, I will receive a confirmation email after registration	1	High	Aakarsha
Sprint-2		USN-3	As a user, I can register using Facebook	2	Low	Aakarsha
Sprint-1		USN-4	As a user, I can register using Gmail	2	Medium	Anoosha
Sprint-1	Login	USN-5	As a user, I can log into the application	1	High	Anoosha

			using email & password			
Sprint-2	Search Flights	USN-6	As a user, I can search for available flights by date, source, and destination	3	High	Sreevalli
Sprint-2		USN-7	As a user, I can view filtered flight results with price and time details	2	Medium	Sreevalli
Sprint-3	Booking	USN-8	As a user, I can select and book a flight	3	High	Neeraja
Sprint-3		USN-9	As a user, I can make payment through online methods	4	High	Neeraja
Sprint-4	Booking History	USN-10	As a user, I can view my previous flight bookings	3	Medium	Neeraja
Sprint-4	Dashboard	USN-11	As a user, I can see upcoming flights and recent activity on	3	Medium	Neeraja

the  
dashboard

### 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	6	6 Days	16 Jan 2026	21 Jun 2025	6	21 Jan 2026
Sprint-2	7	6 Days	22 Jun 2026	27 Jun 2026	7	27 Jan 2026
Sprint-3	7	6 Days	28 Jan 2026	02 Feb 2026	7	02 Feb 2026
Sprint-4	6	6 Days	03 Feb 2026	08 Feb 2026	6	08 Feb 2026

### Velocity Calculation

Velocity = Total Story Points Completed / Sprint Duration

Sprint Duration = 6 Days

Story Points per Sprint = 6-7

Sprint-1 Velocity:  $6 \div 6 = 1$  SP/day

Sprint-2 Velocity:  $7 \div 6 \approx 1.17$  SP/day

Sprint-3 Velocity:  $7 \div 6 \approx 1.17$  SP/day

Sprint-4 Velocity:  $6 \div 6 = 1$  SP/day

Average Velocity (AV):  $(6 + 7 + 7 + 6) \div (4 \text{ sprints} \times 6 \text{ days}) = 26 \div 24 \approx 1.08$  SP/day

**Burndown Chart (Simple Format)**

Day	Planned Points Remaining	Actual Points Remaining
0	26	26
2	20	22
4	14	16
6	8	10
8	4	6
10	0	0