

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	15 February 2026
Team ID	LTVIP2026TMIDS60082
Project Name	FlightFinder – Navigating Your Air Travel Options
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

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 and password.	2	High	Frontend Dev
Sprint-1		USN-2	As a user, I receive confirmation email after registration.	1	High	Backend Dev
Sprint-2		USN-3	As a user, I can register using Facebook login.	2	Low	Backend Dev
Sprint-1		USN-4	As a user, I can register using Gmail login.	2	Medium	Backend Dev
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Backend Dev
Sprint-1	Dashboard	USN-6	As a user, I can view my dashboard after login.	2	High	Frontend Dev
Sprint-1	Flight Search	USN-7	As a user, I can search flights by source, destination, and date.	3	High	Backend Dev
Sprint-2	Flight Search	USN-8	As a user, I can filter flights by price and airline.	2	Medium	Frontend Dev
Sprint-2	Flight Booking	USN-9	As a user, I can select a flight and enter passenger details.	3	High	Full Stack Dev
Sprint-2	Payment	USN-10	As a user, I can make secure online payment.	5	High	Backend Dev
Sprint-2	Booking Management	USN-11	As a user, I can receive booking confirmation and e-ticket.	3	High	Backend Dev

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Booking Management	USN-12	As a user, I can view my booking history.	2	Medium	Frontend Dev

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	20	6 Days	01 Feb 2026	06 Feb 2026	20	06 Feb 2026
Sprint-2	20	6 Days	08 Feb 2026	13 Feb 2026	18	14 Feb 2026
Sprint-3	20	6 Days	15 Feb 2026	20 Feb 2026	20	20 Feb 2026
Sprint-4	20	6 Days	22 Feb 2026	27 Feb 2026	19	28 Feb 2026

Velocity Calculation

Total Story Points Completed:

Sprint-1 = 20

Sprint-2 = 18

Sprint-3 = 20

Sprint-4 = 19

Total Completed = $20 + 18 + 20 + 19 = 77$

Number of Sprints = 4

Velocity = 77 / 4

Velocity = $19.25 \approx 19$ Story Points per Sprint

Team Velocity = 19 Story Points per Sprint

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.

A Burndown Chart shows:

- X-axis → Sprint Days
- Y-axis → Remaining Story Points

Example for Sprint-1 (20 Story Points, 6 Days)

Day Remaining Story Points

Day 1 20

Day 2 17

Day 3 14

Day Remaining Story Points

Day 4 10

Day 5 5

Day 6 0

This shows steady progress until all tasks are completed by Day 6.

Final Summary

- Total Planned Story Points = 80
- Total Completed Story Points = 77
- Average Velocity = 19 Story Points per Sprint
- Minor spillover occurred in Sprint-2 and Sprint-4
- Overall project delivered successfully within planned timeline