# Project Planning Phase

Date: 15 February 2025

Project Name: Flight Booking 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 | Team Members |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register with email and password | 2 | High | A, B |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email | 1 | High | A |
| Sprint-1 | Registration | USN-3 | As a user, I can register using Gmail login | 2 | Medium | B |
| Sprint-1 | Login | USN-4 | As a user, I can log in using my credentials | 1 | High | A |
| Sprint-2 | Flight Search | USN-5 | As a user, I can search for flights using source, destination, and date | 3 | High | B |
| Sprint-2 | Flight Display | USN-6 | As a user, I can view available flights with details | 2 | Medium | A |
| Sprint-2 | Filter | USN-7 | As a user, I can filter flights by time, price, airline | 2 | Low | B |
| Sprint-3 | Booking | USN-8 | As a user, I can book a flight by selecting one and entering passenger details | 3 | High | A |
| Sprint-3 | Booking | USN-9 | As a user, I receive a booking confirmation message | 1 | Medium | A |
| Sprint-3 | Booking | USN-10 | As a user, I can view my booking history | 2 | Medium | B |
| Sprint-4 | Payment | USN-11 | As a user, I can make payments through Razorpay integration | 3 | High | A |
| Sprint-4 | Payment | USN-12 | As a user, I can download the ticket/invoice | 2 | Medium | B |
| Sprint-4 | Logout | USN-13 | As a user, I can securely log out | 1 | Low | A |

Project Tracker, Velocity & Burndown Chart (4 Marks)

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed | Sprint Release Date (Actual) |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 6 | 6 Days | 01 Feb 2025 | 06 Feb 2025 | 6 | 06 Feb 2025 |
| Sprint-2 | 7 | 6 Days | 07 Feb 2025 | 12 Feb 2025 | 7 | 12 Feb 2025 |
| Sprint-3 | 6 | 6 Days | 13 Feb 2025 | 18 Feb 2025 | 6 | 18 Feb 2025 |
| Sprint-4 | 6 | 6 Days | 19 Feb 2025 | 24 Feb 2025 | 6 | 24 Feb 2025 |

Velocity:

Total Story Points = 25

Total Sprint Days = 24

Average Velocity (AV) = 25 / 24 ≈ 1.04 story points/day

Burndown Chart:

Refer to: https://www.visual-paradigm.com/scrum/scrum-burndown-chart

Refer to: https://www.atlassian.com/agile/tutorials/burndown-charts