Project Planning Phase

### Flight Booking

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID52738 |
| 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 | Srikala |
| Sprint-1 |  | USN-2 | As a user, I will receive a confirmation email after registration | 1 | High | Srikala |
| Sprint-2 |  | USN-3 | As a user, I can register using Facebook | 2 | Low | Srikala |
| Sprint-1 |  | USN-4 | As a user, I can register using Gmail | 2 | Medium | Lalitha |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application using email & password | 1 | High | Lalitha |
| Sprint-2 | Search Flights | USN-6 | As a user, I can search for available flights by date, source, and destination | 3 | High | Mabunni |
| Sprint-2 |  | USN-7 | As a user, I can view filtered flight results with price and time details | 2 | Medium | Mabunni |
| Sprint-3 | Booking | USN-8 | As a user, I can select and book a flight | 3 | High | Mounika |
| Sprint-3 |  | USN-9 | As a user, I can make payment through online methods | 4 | High | Mounika |
| Sprint-4 | Booking History | USN-10 | As a user, I can view my previous flight bookings | 3 | Medium | Sandya |
| Sprint-4 | Dashboard | USN-11 | As a user, I can see upcoming flights and recent activity on the dashboard | 3 | Medium | Sandya |

# 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 | 10 Jun 2025 | 15 Jun 2025 | 6 | 15 Jun 2025 |
| Sprint-2 | 7 | 6 Days | 17 Jun 2025 | 22 Jun 2025 | 7 | 22 Jun 2025 |
| Sprint-3 | 7 | 6 Days | 24 Jun 2025 | 29 Jun 2025 | 7 | 29 Jun 2025 |
| Sprint-4 | 6 | 6 Days | 01 Jul 2025 | 06 Jul 2025 | 6 | 06 Jul 2025 |

## Velocity Calculation

Velocity = Total Story Points Completed / Sprint Duration  
Sprint Duration = 6 Days  
Story Points per Sprint = 6–7  
  
Sprint-1 Velocity: 6 ÷ 6 = 1 SP/day  
Sprint-2 Velocity: 7 ÷ 6 ≈ 1.17 SP/day  
Sprint-3 Velocity: 7 ÷ 6 ≈ 1.17 SP/day  
Sprint-4 Velocity: 6 ÷ 6 = 1 SP/day  
  
Average Velocity (AV): (6 + 7 + 7 + 6) ÷ (4 sprints × 6 days) = 26 ÷ 24 ≈ 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 |