**Sprint Planning Logic for *FlightFinder:***

**⚙️ Agile Planning Logic – *FlightFinder***

**💡 Definitions Recap:**

* **Epic**: Large feature (e.g., "Flight Search System")
* **Story**: A user-level requirement (e.g., "Apply filter by price")
* **Story Point**: Estimated effort using Fibonacci scale (1, 2, 3, 5…)
* **Sprint Duration**: 5 days
* **Velocity**: 12 Story Points per Sprint

**Sprint 1 – (5 Days)**

**Epic**: User Registration & Authentication

| **Task** | **Story Points** |
| --- | --- |
| Registration Form (Email/Password) | 2 |
| Gmail Registration Integration | 2 |
| LinkedIn Registration Integration | 3 |
| Email Confirmation Flow | 2 |
| OTP-based Confirmation | 3 |
| JWT Token Login System | 2 |

→ **Total Story Points**: 14  
→ **Adjust to Sprint Capacity (Velocity = 12)**: Include top 5 tasks (up to 12 pts), move LinkedIn to Sprint 2

**🚀Sprint 2 – (5 Days)**

**Epic**: Search & Alerts

| **Task** | **Story Points** |
| --- | --- |
| Basic Flight Search (Source–Dest.) | 3 |
| Filter by Airline & Price | 2 |
| Sort by Duration & Price | 3 |
| Set Price-Drop Alerts | 3 |
| Show Recommendations (ML logic) | 5 |

→ **Total Story Points**: 16  
→ **Adjust to Sprint Capacity**: Choose core 4 stories (12 pts), move Recommendation logic to Sprint 3

**Sprint 3 – (5 Days)**

**Epic**: Booking Redirection & Admin

| **Task** | **Story Points** |
| --- | --- |
| Booking via Partner API | 5 |
| Track Booking Redirection Events | 2 |
| Admin Analytics Dashboard | 3 |
| Edit Profile & Notification Preferences | 2 |

→ **Total Story Points**: 12

**📊 Summary**

| **Sprint** | **Included Stories** | **Story Points** |
| --- | --- | --- |
| Sprint 1 | Registration & Login Flows | 12 |
| Sprint 2 | Search, Filter, Alerts | 12 |
| Sprint 3 | Booking + Admin | 12 |

**Team Velocity** = **12 Story Points/Sprint**