Sprint Planning Logic for Flight Finder:

⚙️ **Agile Planning Logic – Flight Finder**

💡 **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