Ideation Phase

Brainstorm and Idea Prioritization Template

Date	31 January 2025
Team ID	LTVIP2025TMID53108
Project Name	FlightFinder
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

1. Smart Flight Search Engine

- **MongoDB Atlas Search with autocomplete & fuzzy matching**
- **Search by airport code, city, airline, price, or even vague terms like "cheap Europe flights"**

2. Dynamic Index Management

- **Automatically create/destroy indexes based on query patterns**
- **Prioritize compound indexes on high-traffic search combinations**

3. Aggregated Deal Insights

- **Use `$group`, `$sort`, and `$project` to find best deals by region or airline**
- **Daily/weekly "hot routes" based on price drops or user interest**

4. Real-Time Availability & Pricing

- **Integrate external APIs and optimize update frequency using TTL indexes**
- **Track and cache time-sensitive data intelligently**

5. Advanced Filters & Alerts

- **Filter by layovers, travel duration, aircraft type, CO_2 emissions User alerts on price drops or changes on tracked routes**

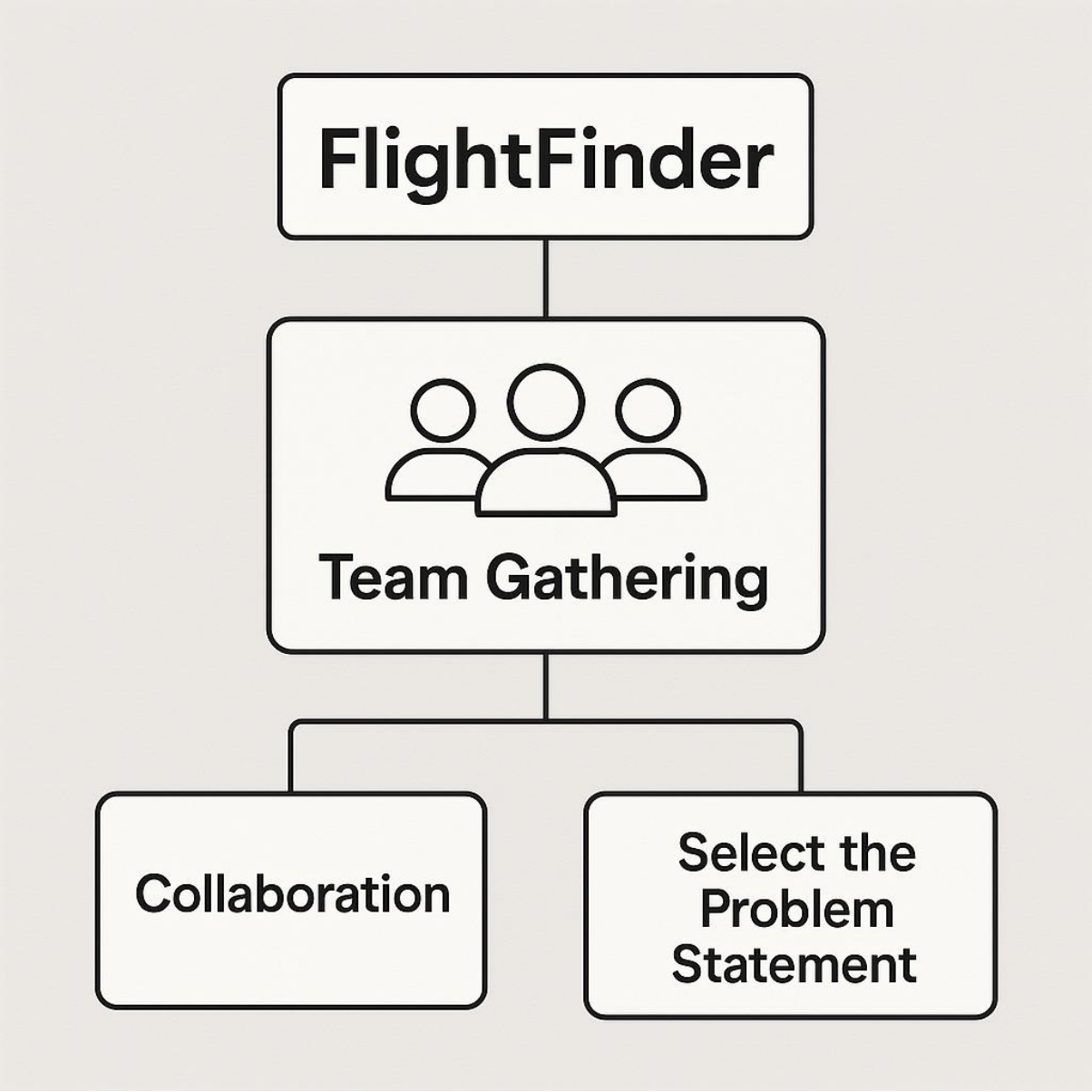
6. Multilingual & Localized Search

- **Store localized metadata and dynamically match based on user region/preferences**

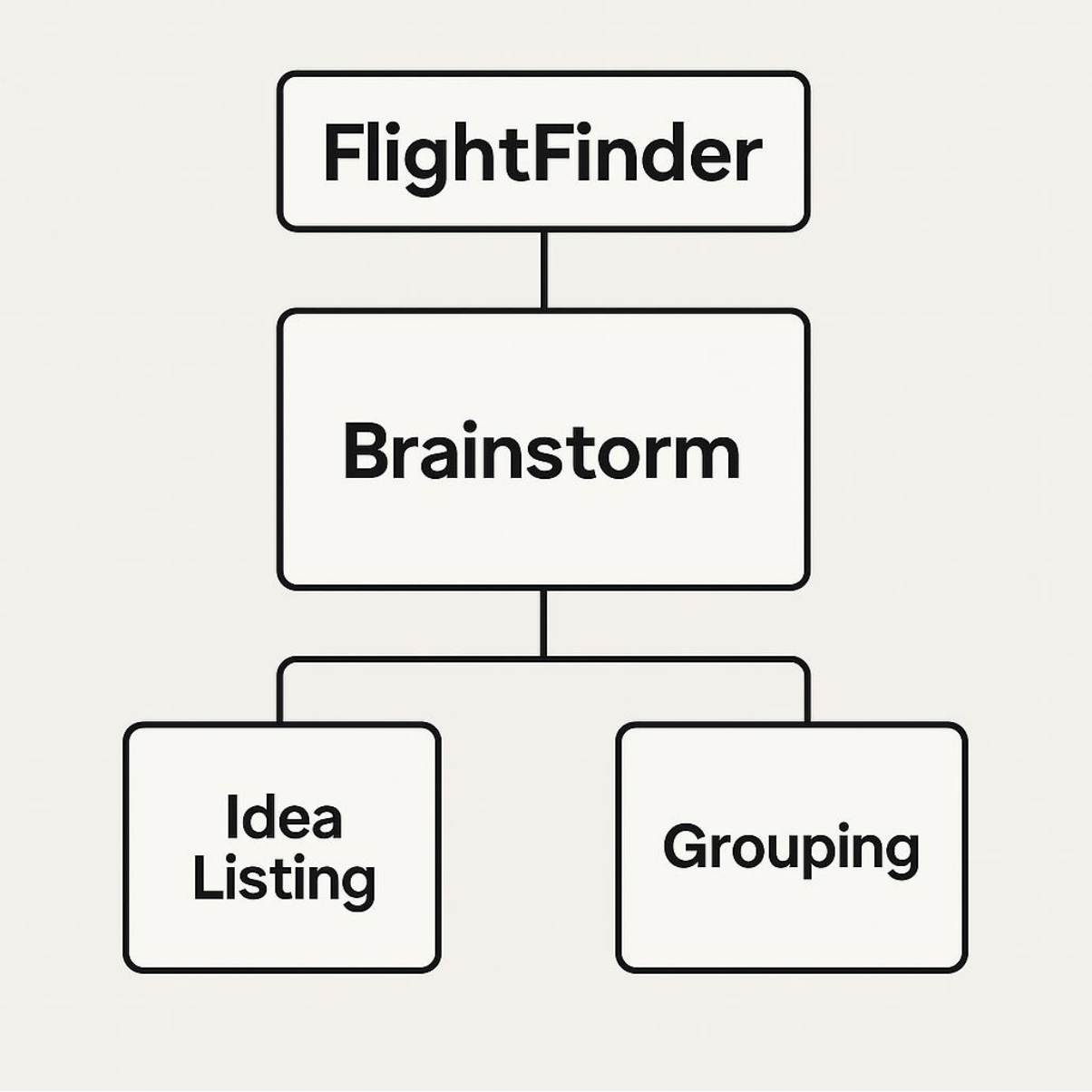
7. Admin Dashboard for Optimization

- **Visualize query patterns, slow queries, and index performance**

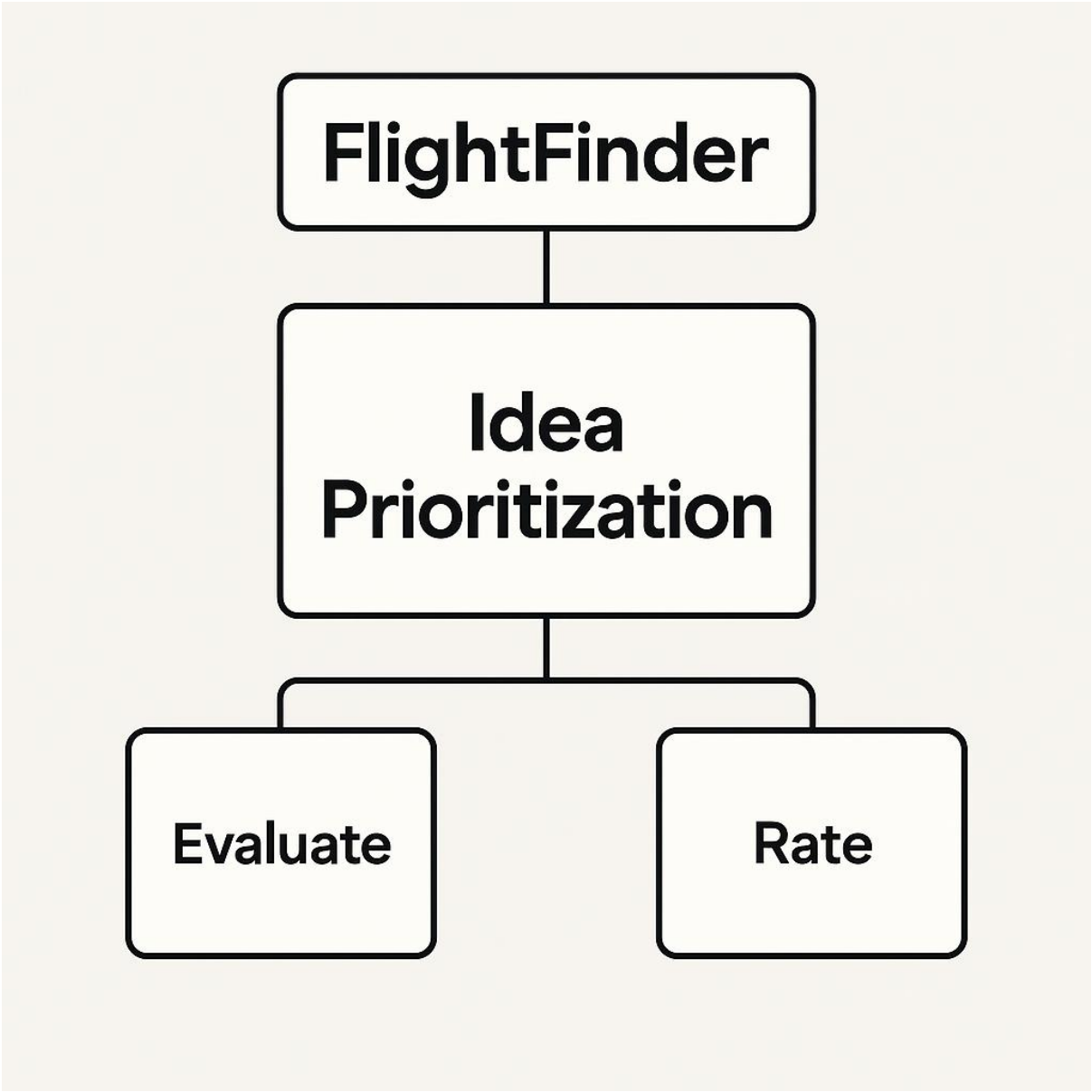
Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping



Step-3: Idea Prioritization


FlightFinder
Idea Prioritization
Evaluate
Rate