

Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	LTVIP2025TMID53108
Project Name	Flightfinder
Maximum Marks	2 Marks

FlightFinder proposed solution

S. No.	Parameter	Description
1	Problem Statement	Modern travelers struggle with real-time flight details—delays, pricing, and comparisons—due to fragmented, outdated platforms lacking user-focused design.
2	Idea / Solution Description	<i>FlightFinder</i> is a responsive flight discovery and tracking tool leveraging MongoDB Atlas and Atlas Search. It provides real-time recommendations based on pricing, preferences, and route optimization, with dynamic indexing for high-speed querying.
3	Novelty / Uniqueness	<ul style="list-style-type: none">- Dynamic indexing adapts to live flight updates.- Full-text search on metadata using Atlas Search.- Predictive filters and suggestions from user interaction history.
4	Social Impact / Customer Satisfaction	Reduces travel stress with transparent, real-time, and customizable updates. Boosts user confidence in travel planning and provides accessible travel insights.
5	Business Model (Revenue Model)	<ul style="list-style-type: none">- Freemium app with advanced features via subscription.- Affiliate partnerships with airlines/travel agencies.- API licensing for B2B travel platforms.
6	Scalability of the Solution	Cloud-native architecture supports global scale. MongoDB Atlas ensures performance under growing data loads and traffic. Modular design enables region-wise deployment and integration with new partners.