Project Design Phase

Problem-Solution Fit

Date	22 June 2025
Team ID	LTVIP2025TMID20428
Project Name	FlightFinder
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Maximum Marks	2 Marks

Problem-Solution Fit for Flight Finder:

Problem:

Modern travelers often face **frustration, confusion, and inefficiency** while trying to book flights due to:

- Scattered flight information across multiple booking platforms
- Lack of **real-time fare updates**, especially for budget-conscious travelers
- Overwhelming user interfaces that make comparisons difficult
- Limited **personalization** in suggestions and search results
- Poor **post-booking experience** (no trip tracking, booking history, or updates)

These issues impact not only frequent flyers and professionals, but also students and occasional travelers who need **speed, clarity, and affordability** in their flight booking process.

Solution

FlightFinder is a modern, user-friendly flight search and booking application built using the **MERN stack (MongoDB, Express.js, React, Node.js)**, designed to simplify travel planning by offering:

- **Real-time flight search** with intuitive filters (date, route, price, airline)
- **Secure login options** via email, Google OAuth
- **Booking history, notifications, and email confirmations**
- **Simplified UI/UX** for both mobile and desktop users
- **Smart suggestions** based on past bookings and preferences
- **Scalability** for future features like loyalty rewards, chat support, and travel packages

With *FlightFinder*, users can book flights with **confidence, speed, and convenience**, eliminating the stress from travel planning.