

Project Design Phase

Problem – Solution Fit Template

Date	16 June 2025
Team ID	LTVIP2025TMID60279
Project Name	FlightFinder: Navigating Your Air Travel Options
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers, and corporate innovators identify behavioral patterns and recognize what would work and why.

Purpose:

Problem

Travelers and flight operators often face cumbersome, outdated, and inefficient systems for booking and managing flight tickets. Issues include lack of centralized data, unclear booking flows, low transparency in travel information, and complex admin operations.

Solution

SB Flights is a comprehensive web-based platform that simplifies the flight ticket booking and management process for both users and administrators. It delivers intuitive features like advanced flight search, seamless booking, real-time confirmations, and a powerful admin dashboard—all designed for modern usability and accessibility.

Benefits:

For Users:

- Intuitive and fast booking interface
- Access to extensive flight listings
- Real-time confirmation of ticket reservations
- Central dashboard to manage current and past bookings
- Transparent flight details and seamless user experience

For Administrators:

- Efficient tools to manage flights and reservations
- Separate secure login and registration for admins

- Full control over listings, bookings, and flight operator approvals
- Scalable infrastructure using MERN stack (MongoDB, Express.js, React, Node.js)

Impact:

- Drastically reduces friction in the booking experience.
- Supports both high-frequency and occasional travelers.
- Enhances operational control for administrators and flight operators.
- Provides real-time feedback and data visualization.
- Enables quick deployment and scalability using modern technologies.

Technical Stack & Prerequisites:

- Frontend: React.js, HTML, CSS, JavaScript
- Backend: Node.js, Express.js
- Database: MongoDB with Mongoose
- Version Control: Git/GitHub
- IDE Recommendations: VS Code, WebStorm
- Project Hosting: Localhost or GitHub-deployed instances

Reference Links:

- GitHub Repo: <https://github.com/Ashik1029/FlightFinder-Navigating-Your-Air-Travel-Options>
- Live Demo: - https://drive.google.com/drive/folders/1HxqGxNo84_xKrTyA9Ecu3HWaa0QlIRZI