

Project Design Phase
Proposed Solution Template

Date	23 rd June 2025
Team ID	LTVIP2025TMID20428
Project Name	FlightFinder
Mentor Name	Dr Shaik Salma Begam
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Travelers, especially those with tight schedules or budget constraints, often struggle to find the best flight options quickly and affordably. There's also a lack of real-time tracking, booking transparency, and personalized recommendations in many platforms.
2.	Idea / Solution description	A modern, user-friendly flight booking platform built using React (with Bootstrap), Express.js, and MongoDB. It enables users to search, filter, and book flights efficiently, with features like booking history, real-time updates, authentication, and flight tracking.
3.	Novelty / Uniqueness	Unlike generic travel sites, this app focuses on simplicity, speed, and user-centric features such as minimal-step booking, personalized suggestions based on travel history, and live tracking of bookings.
4.	Social Impact / Customer Satisfaction	Enhances travel planning by providing transparent, affordable, and fast booking options, improving convenience for students, frequent travelers, and underserved regions with limited travel agents.
5.	Business Model (Revenue Model)	Revenue can be generated through affiliate flight partnerships, booking service fees, ad placements, and premium services (early check-ins, travel insurance, or seat preferences).
6.	Scalability of the Solution	Built on scalable MERN stack technologies (React, Express, MongoDB Atlas), the app can handle increasing user loads, expand to international flight APIs, and support mobile-first experiences in future updates.

our Solution: A Modern Flight Booking Platform

we're proposing a modern, user-friendly flight booking platform built with **React (with Bootstrap)** for the frontend, **Express.js** for the backend, and **MongoDB** for the database. This **MERN stack**

application would allow users to efficiently search, filter, and book flights. Key features would include:

- **Booking History:** Easily review past trips.
- **Real-time Updates:** Get the latest information on flight status.
- **User Authentication:** Secure and personalized user accounts.
- **Flight Tracking:** Keep an eye on your booked flights.

What Makes our Platform Unique?

Unlike many generic travel sites, your app emphasizes **simplicity, speed, and user-centric features**. This means:

- **Minimal-step Booking:** A streamlined process to get your tickets fast.
- **Personalized Suggestions:** Recommendations based on your travel history.
- **Live Tracking of Bookings:** Stay informed every step of the way.