

## Project Design Phase Proposed Solution Template

Date	23 June 2025
Team ID	LTVIP2025TMID56176
Project Name	FlightFinder: Navigating Your Air Travel
Maximum Marks	2 Marks

### Proposed Solution Template:

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

S.No.	Parameter	Description
1. 1	<b>Problem Statement (Problem to be solved)</b>	Travelers often struggle to find, filter, and book suitable flights efficiently due to overwhelming choices, complex interfaces, and lack of personalization in existing booking systems.
2. 2	<b>Idea / Solution description</b>	FlightFinder is a user-friendly web application that helps travelers effortlessly search, filter, and book flights based on real-time availability and personal preferences (e.g., direct flights, seat selection, loyalty programs). It also includes secure payments, admin dashboard, and real-time ticket generation.
3. 3	<b>Novelty / Uniqueness</b>	<ul style="list-style-type: none"> <li>- Advanced filtering (direct flights, preferred airlines, times)</li> <li>- Interactive seat map selection during booking-</li> <li>- Personalized results based on loyalty and past choices</li> <li>- Seamless user journey from search to e-ticket without leaving the app</li> </ul>
4. 4	<b>Social Impact / Customer Satisfaction</b>	<ul style="list-style-type: none"> <li>- Reduces stress and decision fatigue for travelers-</li> <li>- Makes air travel more accessible to occasional travelers</li> <li>- Enhances user confidence through transparent details and real-time confirmation</li> <li>- Increases satisfaction for frequent flyers through personalization</li> </ul>
5. 5	<b>Business Model (Revenue Model)</b>	<ul style="list-style-type: none"> <li>- Service fee/commission per ticket booked-</li> <li>- Partnerships and featured placement for airlines-</li> <li>- Premium features like seat upgrades, travel insurance, or loyalty perks</li> <li>- Ads or sponsored deals within search results</li> </ul>
6. 6	<b>Scalability of the Solution</b>	<ul style="list-style-type: none"> <li>- Scalable backend with modular microservices for booking, user management, and admin-</li> <li>- Can expand to support hotels, cabs, and complete travel packages</li> <li>- Cloud deployment ensures it can handle growing traffic and data needs</li> </ul>