Project Design Phase
Proposed Solution

Date	26-06-2025
Team ID	LTVIP2025TMID59024
Project Name	FlightFinder – Navigating Your Air Travel Options
Maximum Marks	2 Marks

Proposed Solution for OrderOnTheGo

S. No.	Parameter	Description
1	**Problem Statement (Problem to be solved)**	Air travelers often struggle with comparing flight options across multiple airlines and platforms. Hidden fees, complex itineraries, and unclear pricing make it difficult to make informed decisions. Additionally, users in regions with limited internet literacy or slower connectivity face difficulties navigating current flight search portals.
2	**Idea / Solution Description**	FlightFinder is a user-centric flight comparison platform that aggregates real-time data from multiple airlines and booking services. It offers a clean interface to search, filter, and compare flights by price, duration, stopovers, and amenities. Features like fare alerts, visual timelines, and personalized suggestions improve decision-making. Future integration may include visa alerts and airport transfer suggestions
3	**Novelty / Uniqueness**	- Built specifically to simplify complex flight data into a user-friendly view - Visual timeline for comparing flights based on stopovers and travel time - Fare trend prediction and personalized notifications - Focus on accessibility (minimalist UI for low-bandwidth users) - Modular design to integrate features like carbon emissions or loyalty program syncing
4	**Social Impact / Customer Satisfaction**	- Makes air travel planning more accessible and transparent - Reduces stress and confusion for first-time or infrequent travelers - Supports informed travel decisions, saving money and time - Promotes digital travel literacy, especially among semi-urban users - Offers a unified tool for exploring options without being locked into one provider
5	**Business Model (Revenue Model)**	Free access for users with monetization through affiliate partnerships with airlines and travel agencies - Optional premium features (e.g., fare forecasts, smart alerts) - Ad placements for travel insurance, airport taxis, or luggage services - B2B offerings for educational institutions or corporate travel programs

| 6 | **Scalability of the Solution** | Built on a modular, API-first backend for easy integration with airline data feeds
- Frontend designed with React (can transition into mobile app via React Native)
- Scalable to include hotel and intercity train/bus travel in the future
- Deployable on cloud platforms (AWS, Vercel, or Render)
- Architecture supports localization and multilingual features |