

Project Design Phase
Proposed Solution

Date	03-12-2025
name	m.sriram
Project Name	Flight Booking System
Maximum Marks	2 Marks

Proposed Solution for Flight Booking System

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">• Many passengers struggle to find suitable flights because of outdated systems and offline booking methods.• Lack of real-time pricing, seat availability, and slow ticket confirmation leads to booking failures.• Airline staff also face difficulty updating flight data manually.
2	Idea / Solution Description	<ul style="list-style-type: none">• The Flight Booking System is a web-based platform where passengers can search flights, enter passenger details, make secure payments, and get instant ticket confirmation (PNR).• Admins can manage flights, pricing, schedules, and availability through an integrated dashboard.
3	Novelty / Uniqueness	<ul style="list-style-type: none">• Real-time flight availability and price sync with airline system• Instant PNR and e-ticket after payment• Easy cancellation & refund tracking• Passenger booking history stored digitally• Automated admin flight & schedule management
4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• Reduces dependency on travel agents and long waiting queues• Transparent pricing and seat availability improves trust• Fast booking experience increases customer satisfaction• Works on any device for easy access anywhere
5	Business Model (Revenue Model)	<ul style="list-style-type: none">• Revenue through booking service charges• Commission from airline partnerships• Membership program for frequent travelers• Travel-related advertisements and promotions

6	Scalability of the Solution	<ul style="list-style-type: none">• Can expand globally with multi-currency and multi-language support• Adds future services like hotel bookings & packages• Cloud-based scalable architecture for peak travel seasons• Support for multiple airline integrations
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