



## **Week 8 - Project Report**

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## **Topic :Angular Frontend - Flight Booking System**

The following document contains the description and explanation of the project **Angular Frontend - Flight Booking System**. This project has all the required requirements of the Week 8 project. The project as of now implements JWT Auth - Login / Sign Up, Search Flights and User History.

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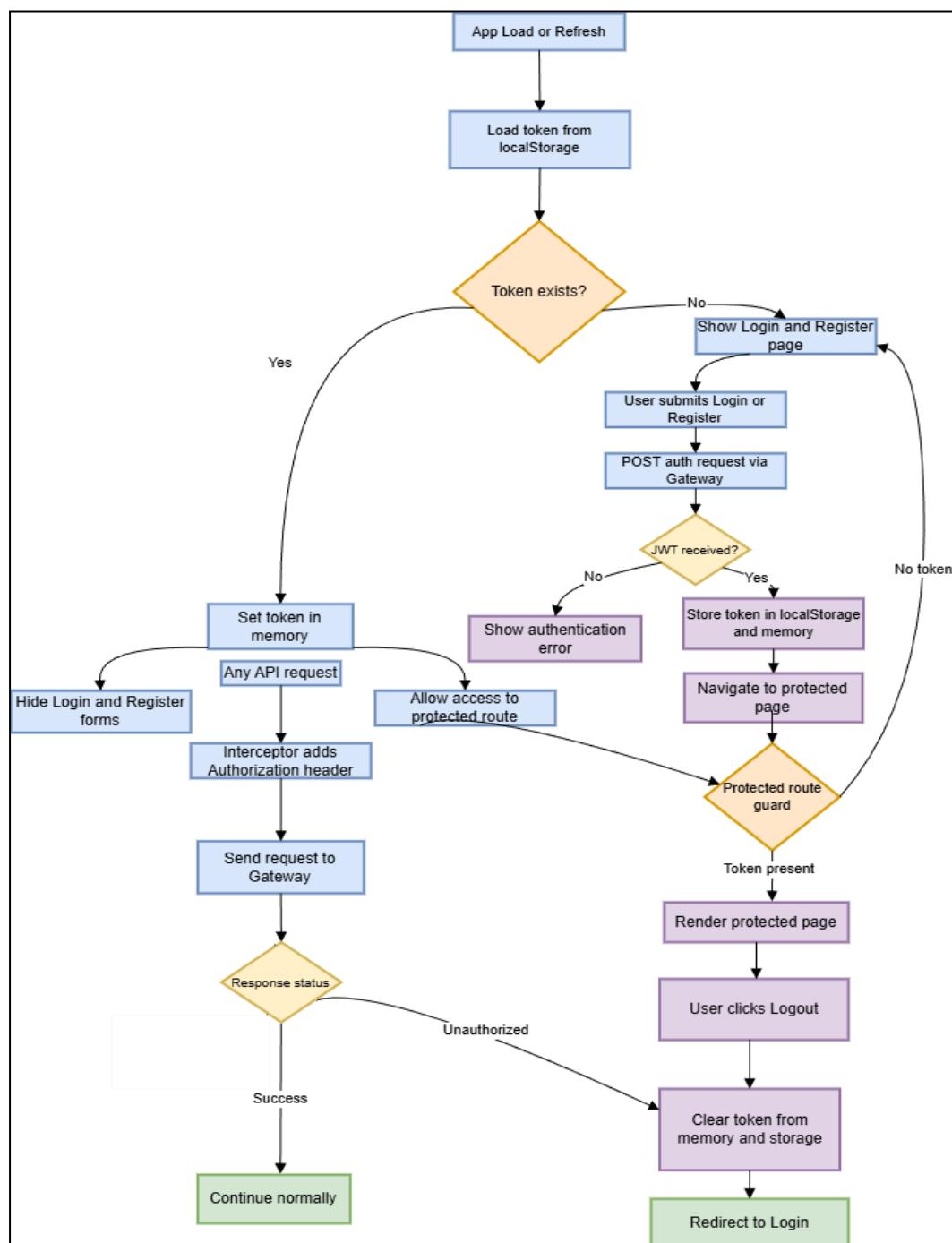
# 1. Project Overview

This project makes use of the “Dokerized Services” of “Flight Booking System” as the backend. It is made in Angular Js, with the JWT Auth and all validations.

Currently the project utilises these functionalities from the backend project

- Search Flights - PUBLIC Endpoint with no authentication required
- User Sign Up - PROTECTED Endpoint
- User Login - PROTECTED Endpoint
- User History - PROTECTED Endpoint

## 1.1. Frontend Authorization Flow

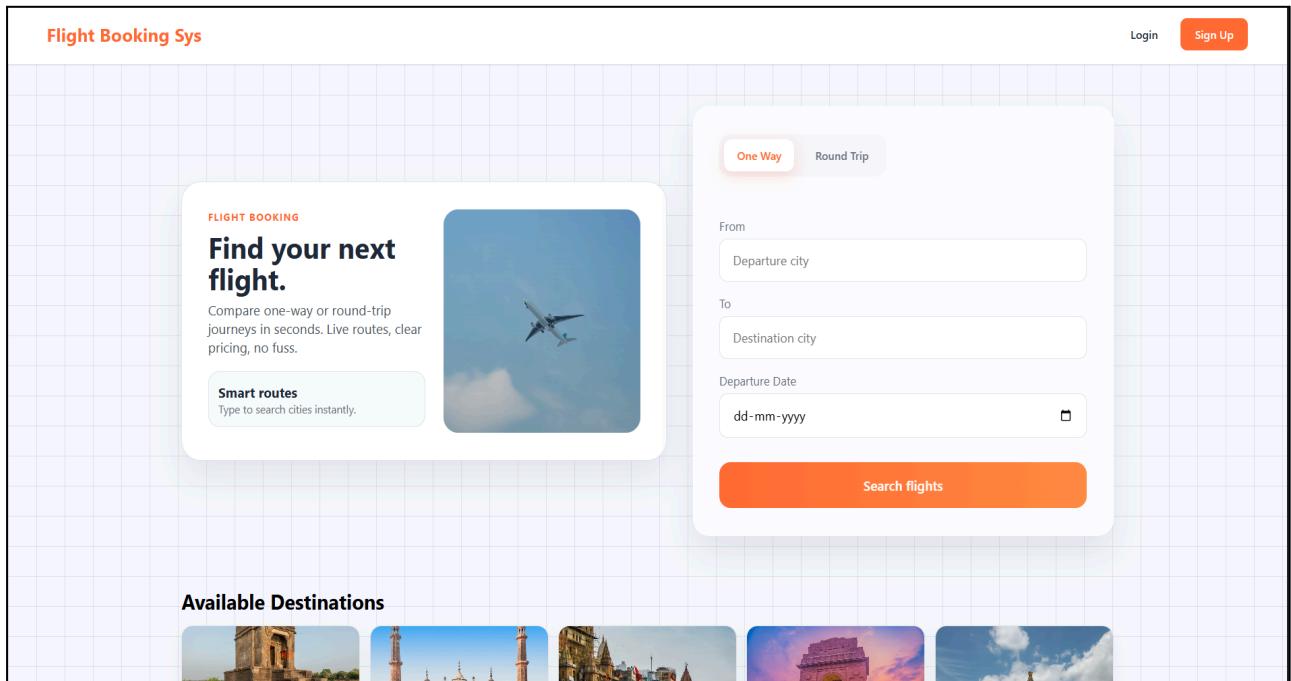


## Proxy Server Flow

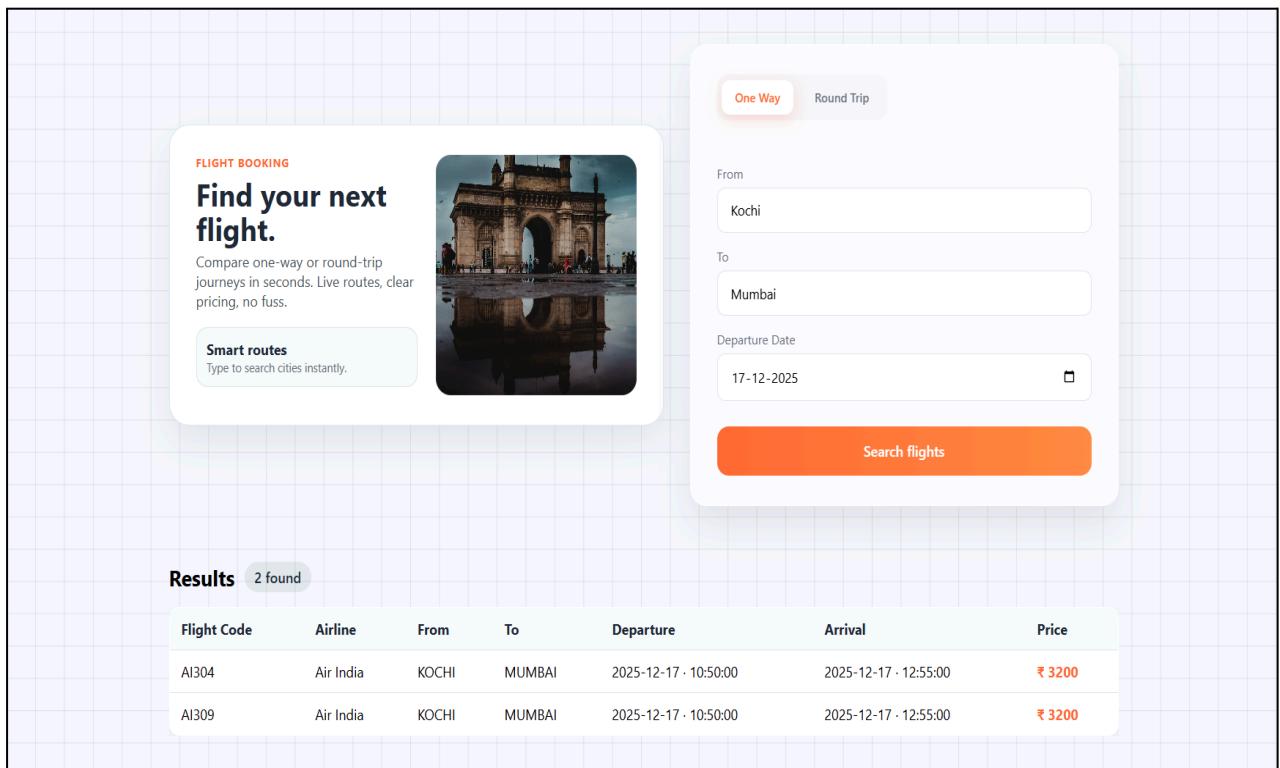


## 2. Endpoints and Website Flow

### 2.1 Home Page



### 2.2 Search Flights



# Validations

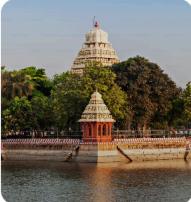
Source and destination cannot be the same.

FLIGHT BOOKING

## Find your next flight.

Compare one-way or round-trip journeys in seconds. Live routes, clear pricing, no fuss.

Smart routes  
Type to search cities instantly.



From: Kochi

To: Kochi

Departure Date: 17-12-2025

Search flights

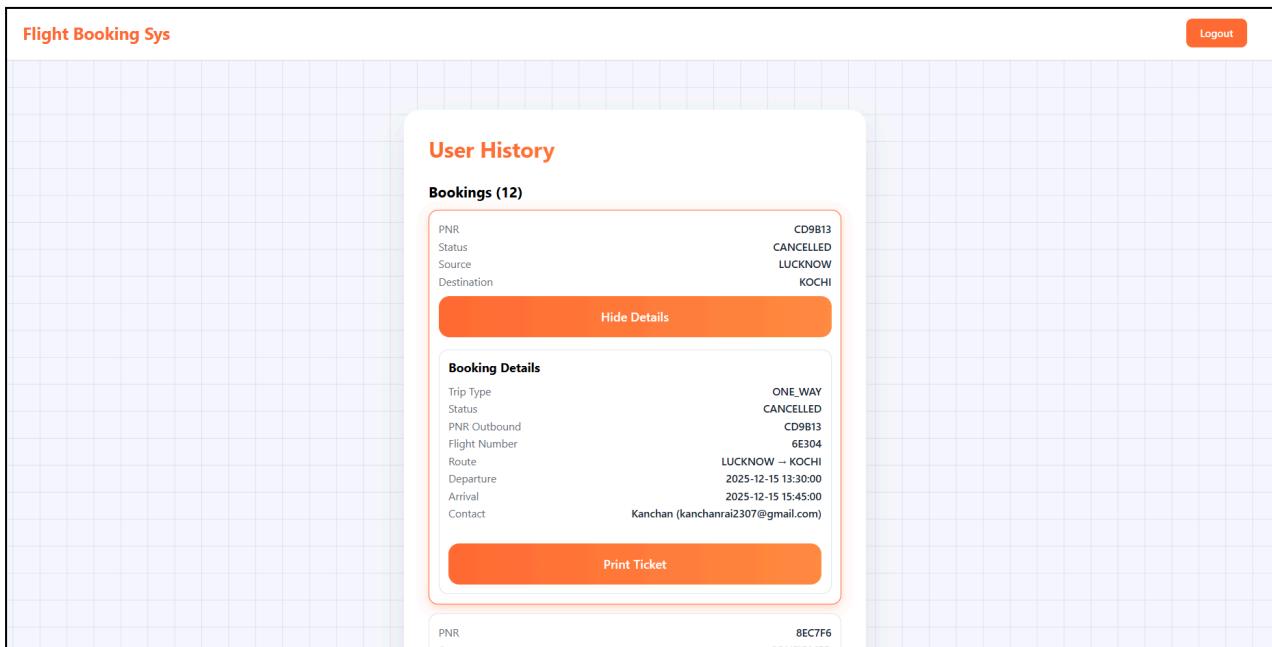
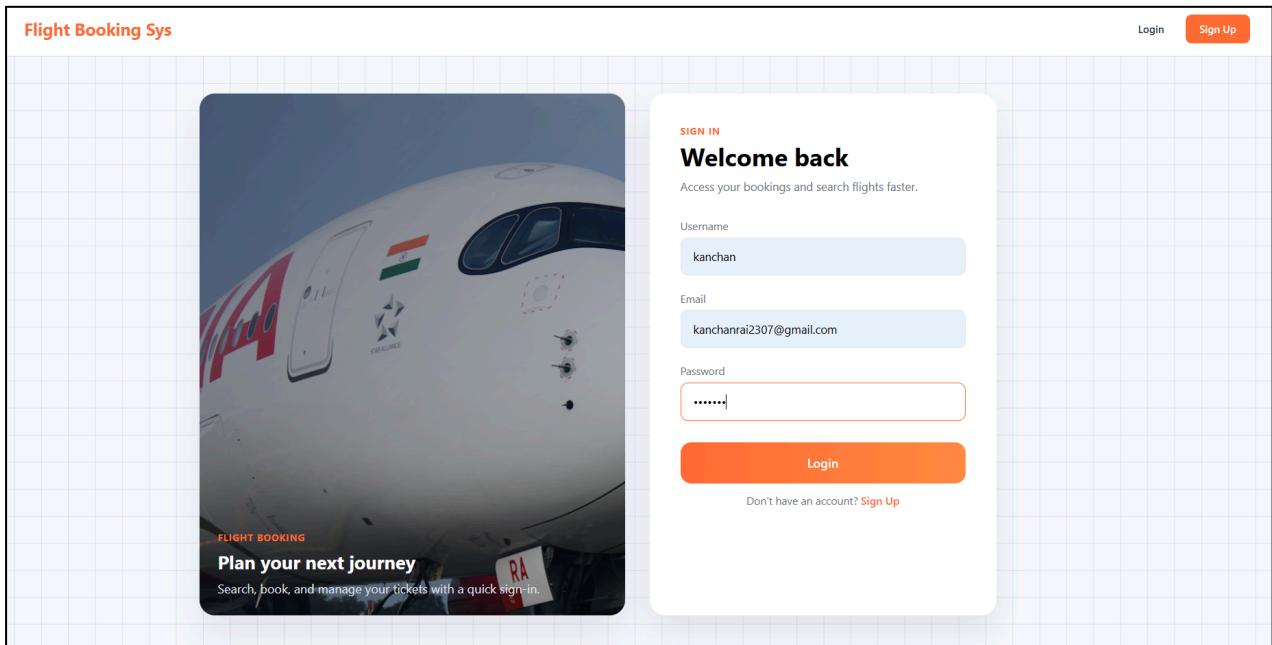
Available Destinations



Available Destinations

 Kanpur <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Lucknow <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Varanasi <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Delhi <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Bangalore <a href="#">Set as Source</a> <a href="#">Set as Destination</a>
 Mumbai <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Chennai <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Hyderabad <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Pune <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Guwahati <a href="#">Set as Source</a> <a href="#">Set as Destination</a>
 Coimbatore <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Mysore <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Kochi <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	 Srinagar <a href="#">Set as Source</a> <a href="#">Set as Destination</a>	

## 2.3 Login SignUp



The user history page shows a "User History" section with a "Bookings (12)" heading. It displays two flight records in a table format. The first record is for flight CD9B13 from LUCKNOW to KOCHI, status CANCELLED, with details: ONE WAY, CANCELLED, CD9B13, 6E304, LUCKNOW -- KOCHI, 2025-12-15 13:30:00, 2025-12-15 15:45:00, and contact Kanchan (kanchanrai2307@gmail.com). The second record is for flight BEC7F6 from KOCHI to LUCKNOW, status CONFIRMED, with details: ONE WAY, CONFIRMED, BEC7F6, 6E304, KOCHI -- LUCKNOW, 2025-12-15 15:45:00, and contact Kanchan (kanchanrai2307@gmail.com). Both records have "Print Ticket" buttons below them.

## Docker containers running in the bg

