



# SIMPLYFLY PROJECT OVERVIEW

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#### PROJECT SUMMARY

- ·SimplyFly is a web-based air ticket booking application.
- •Modules:
- •User Registration & Authentication
- •Flight Management
- •Route Management
- Booking System
- •Seat Management



#### TECHNOLOGY STACK





**BACKEND: SPRING BOOT (REST** APIS)



SECURITY: JWT AUTHENTICATION



FRONTEND: REACT (NOT INCLUDED HERE)



DATABASE: MYSQL



API DOCS: SWAGGER/OPENAPI





#### KEYDTOS (DATATRANSFER OBJECTS)

- •RegisterRequest
- •LoginRequest
- •AuthResponse
- •FlightRequest / FlightResponse
- •BookingRequest / BookingResponse
- •AddRouteRequest
- •FlightSearchRequest
- •SeatDTO



#### SAMPLE FLIGHT REQUEST PAYLOAD

- "flightNumber": "AI2025",
- "flightName": "Air India Express",
- "routeId": 10001,
- "totalSeats": 180,
- "fare": 4999.99,
- "baggageCheckin": "20kg",
- "baggageCabin": "7kg",
- · "departureTime": "2025-06-28T09:30:00",







## SECURITY & AUTHORIZATION

- •JWT Token-based authentication
- ·Role-based access to endpoints
- •Swagger integrated with security schemes



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## TESTING FLOW SECURITY



•1. REGISTER (POST /API/AUTH/REGISTER)



LOGIN (POST /API/AUTH/LOGIN)



. ADMIN/OWNER HAVE ACCESS TO ALL ROUTES



- **•USE TOKEN TO:**
- •ADD FLIGHTS, ROUTES
- •BOOK FLIGHTS
- •VIEW BOOKINGS



### OUTPUT (SCREENSHOTS)































