Artifact: Flightradar25

**Overview:**
This website displays airlines, airports, aircrafts, and real flight routes. Airlines are displayed with a picture of the airline logo, as well as its IATA code, and the airlines' company of origin. Aircrafts are displayed with a picture of the aircraft model, its manufacturer, and its capacity. Airports are displayed and ranked based on how busy they are. Flights are displayed with their flight numbers, status, airline, and departing and arrival airports.

Technology:
Flightradar25 was built using Java for the back-end, and JavaScript, HTML, and CSS was used for the front-end. Additionally DB Browser was used to actually create the database. Each table had their own route for their own page, and an inner join was utilized for flights and airlines. For airlines, aircrafts, and airports, data was simply put onto a card that can be displayed. However, in flights, there was a field called "airlineID", which corresponds to the same "airlineID" in the airlines table. This was used to determine which airline was operating which flight. For example, in the airlines table, Delta Air Lines had an airlineId of "1". So for DL 699 (JFK-SEA) in the flights table, the value for the airlineID was put as 1, thus assigning Delta Air Lines to this specific flight.

Screenshots:
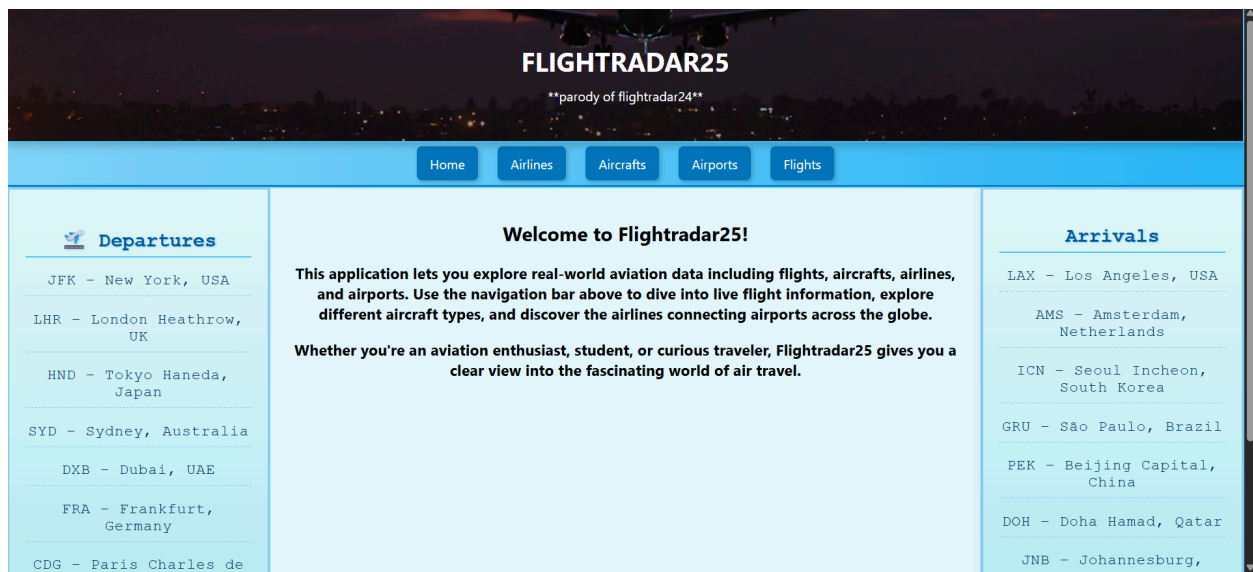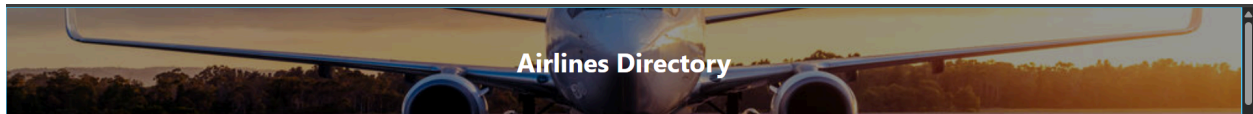
Airlines Directory

Explore Airlines

Delta Air Lines

IATA: DL

ICAO: DAL

Country: United States of America

Emirates

IATA: EK

ICAO: UAE

Country: United Arab Emirates
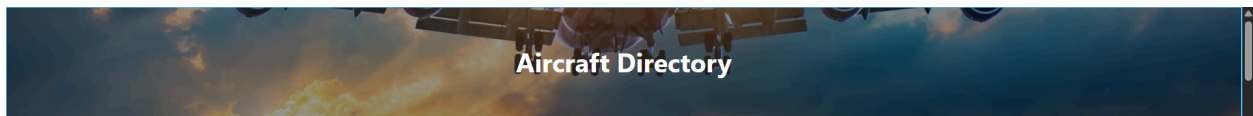
Aircraft Directory

Popular Families

Boeing 737
Airbus A320
Boeing 777
Airbus A350

Explore Aircraft Types

Boeing 717

Manufacturer: Boeing

Capacity: 117-128

Global Airports

Top 30 Airports By Passenger Traffic

1. Hartsfield-Jackson Atlanta International Airport
Atlanta, United States of America

IATA: ATL
ICAO: KATL
Timezone: (UTC−05:00)
Coordinates: 33.6324° N 84.4333° W

2. Dubai International Airport
Dubai, United Arab Emirates

IATA: DXB
ICAO: OMDB
Timezone: (UTC+04:00)
Coordinates: 25.2567° N 55.3643° E

3. Dallas Fort Worth International Airport

IATA: DFW
ICAO: KDFW

Flightradar25 - Flights

Track Active and Upcoming Flights

Flight KE 5214
Status: Scheduled
Airline: Korean Air
From: Jeju International Airport
To: Seoul Gimpo International Airport

Flight JL 531
Status: Arrived
Airline: Japan Airlines
From: Tokyo Haneda Airport
To: Sapporo New Chitose Airport

Flight QF 401
Status: Scheduled
Airline: Qantas
From: Sydney Kingsford Smith Airport
To: Melbourne Airport

Flight NH 3841
Status: Landed
Airline: All Nippon Airways
From: Tokyo Haneda Airport
To: Fukuoka Airport

Flight 6E 6613

Flight VN 221

Flight MU 5102

Flight CX 488