Feature: Flight Filters

1. Overview

The **Flight Filters** feature enables users to refine flight search results based on price, stops, airlines, times, duration, and policies to quickly find relevant options.

2. Goals & Objectives

- Improve discoverability of suitable flights

- Reduce search friction

- Increase booking conversion

3. In Scope

- Price range filter

- Number of stops

- Airlines

- Departure & arrival time

- Flight duration

- Refundable fares

4. Out of Scope

- Personalized AI recommendations

- Loyalty-based prioritization

5. User Flow

1. User performs a flight search

2. Results page loads with default filters

3. User applies one or more filters

4. Results update dynamically

6. Functional Requirements

ID	Requirement
FR-FF-01	Filters must update results without full reload
FR-FF-02	Multiple filters must be combinable
FR-FF-03	Clear-all option must reset filters
FR-FF-04	Applied filters must persist on back navigation
FR-FF-05	Filters must show available value ranges

7. Non-Functional Requirements

- **Performance:** Filter update ≤ 500ms

- **Usability:** Mobile-friendly UI

- **Consistency:** Same logic across web & app

8. Edge Cases

- Filters resulting in zero results

- Airline data missing for some fares

- Conflicting filter combinations

9. Success Metrics

- Filter usage rate

- Time to first booking

- Reduced bounce rate