Flight State Diagram

- Flight created (initial state) → **SCHEDULED**

SCHEDULED
- Note: Initial state when flight is created (FlightService creates flights with status SCHEDULED)

- Flight delayed (updateFlightStatus DELAYED) → **DELAYED**

DELAYED
- Note: Flight status changed to DELAYED by admin (FlightService.updateFlightStatus)

- Flight cancelled (updateFlightStatus CANCELLED) → **CANCELLED**
- Flight departed (updateFlightStatus DEPARTED) → **DEPARTED**

CANCELLED
- Note: Flight can be cancelled from SCHEDULED or DELAYED (FlightService.updateFlightStatus)

DEPARTED
- Note: Flight has departed (FlightService.updateFlightStatus) Can transition from SCHEDULED or DELAYED

- Flight arrived (updateFlightStatus ARRIVED) → **ARRIVED**

ARRIVED
- Note: Flight has arrived (FlightService.updateFlightStatus) Final state after DEPARTED

- End state
- End state