

# Air Travel - Route management

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## Use cases

### Add Airports / Routes

- **Actors:** Airport Authorities, Airlines
- **Description:** This allows for the addition of new airports and routes to the system, enabling better connectivity and expansion of air travel networks.
- **Detailed Description:** Airports and routes are added based on demand, geographical importance, and regulatory approvals to ensure efficient air travel management.

### Airline slot allocation

- **Actors:** Government, Airlines
- **Description:** This allows for the airlines to reserve slots at airports to use for arrivals and departure.
- **Detailed Description:** A slot is very important to airlines, since the more slots they have the more they can profit from that airport. A slot is given to an airline based on a lot of factors, such as aircraft type, turnaround time and parking duration.

### Airline route allocation

- **Actors:** Government of countries, Airlines
- **Description:** This allows for countries to give a route that involves more than one country to an airline. This is important because airlines generate international brand value through international flights.
- **Detailed Description:** This type of agreement requires some form of regulation in terms of which airline can fly a certain number of flights in a week.