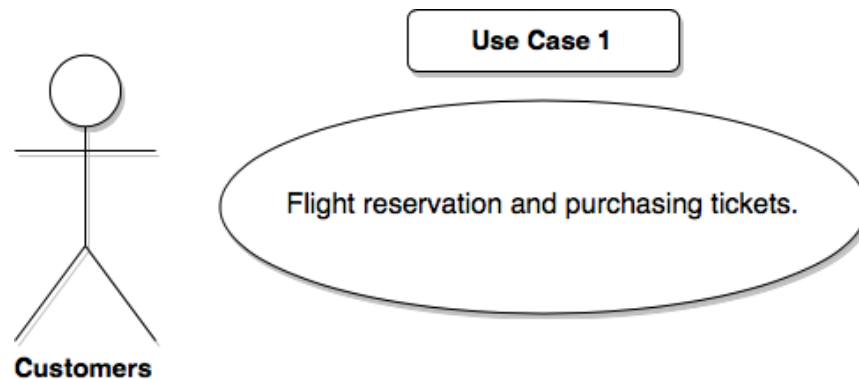


Use Case 1: Flight Reservation and Purchasing a Ticket



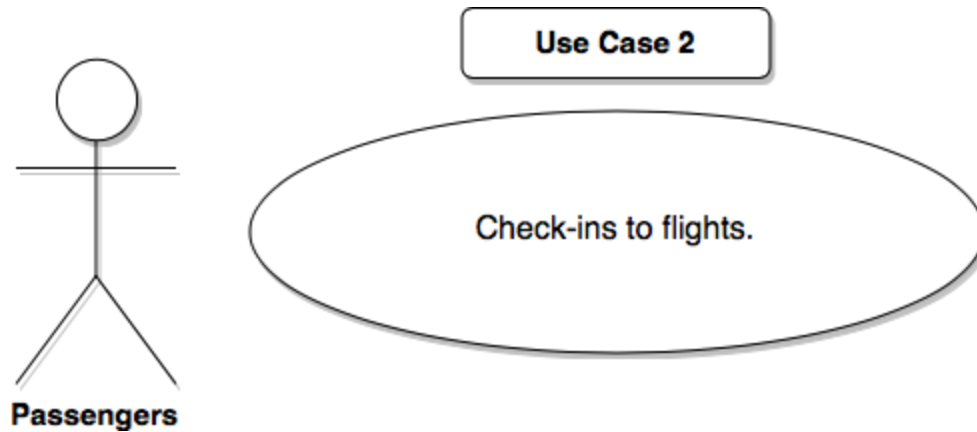
Description

The "Flight Reservation and Purchasing Tickets" use case refers to the ability of a registered customer to reserve a seat on a flight, receiving in return a confirmation number and flight number.

Step-by-step Description

1. Input necessary log-in information which includes:
 - Email
 - Password.
2. Click "Log In" button.
3. Click "Book Flight" option.
4. Select Destination from 1 of 6 options in drop down menu.
5. Select Week of Departure.
6. Choose from one of at least two available weekly flights.
7. Select Week of Return.
8. Choose from one of at least two available weekly flights.
9. Click "Confirm Flight Details".
10. Submission will not be accepted with missing/unspecified fields.
11. Input all necessary information to purchase via credit card, which includes:
 - Credit card number
 - Expiration Date
 - CSV
 - Billing Address
12. Click "Confirm Purchase".
13. Submission will not be accepted with missing/unspecified fields.
14. Seats will be reserved on Departure and Return Flights.
15. Confirmation number and Flight number presented to customer via PDF.

Use Case 2: Check in to Flights



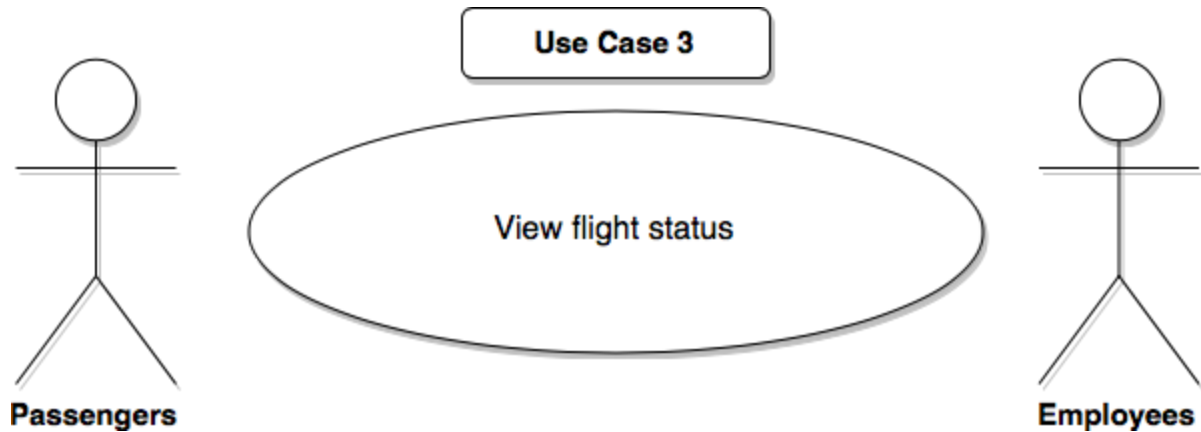
Description

The "Check-ins to Flights" use case refers to the ability of a registered customer who has purchased an upcoming flight to confirm that they will be traveling and receive in return a boarding pass to print.

Step-by-step Description

1. From a customer's account who has purchased a seat on a flight, click a "Check In" button.
 - 1.1. Bags can optionally be purchased by the customer.
 - 1.2. An agreement regarding firearms, hazardous materials, and other important information from TSA will be presented.
2. A PDF document containing the customer's boarding pass will be generated and presented to the customer.
3. The customer's account will be updated to signify that the customer has checked in to the flight.

Use Case 3: Viewing Flight Status



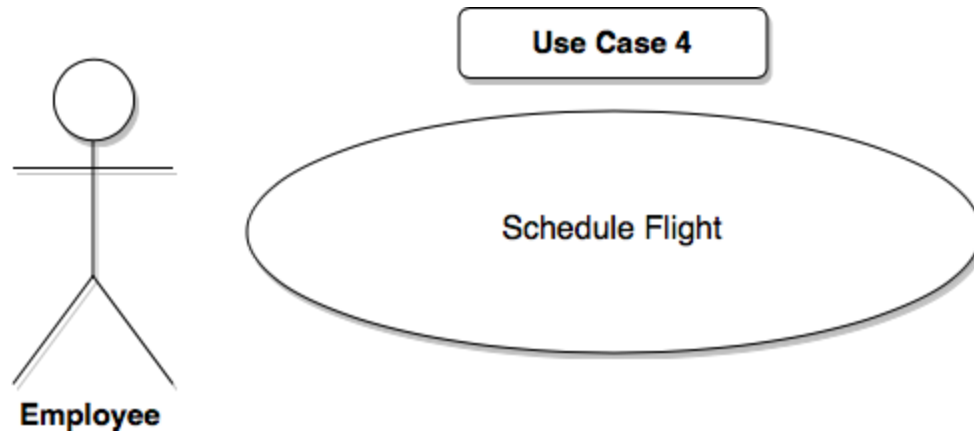
Description

The "View Flight Status" use case refers to the ability of any employee or customer, regardless of whether or not they have purchased a ticket, to view updates on flight status and departure time.

Step-by-step Description

1. Input a flight number.
2. Click "Submit."
 - 2.1. Search the number in the database and display any matching flights.
 - 2.2. Print an error message if no flight is found.
3. Flight status is displayed: On time, Delayed, or Cancelled

Use Case 4: Schedule Flights



Description

The "Schedule Flight" use case refers to the ability of a CAI employee to schedule an upcoming flight, provided the flight meets requirements such as runway delay time and plane availability.

Step-by-step Description

1. Click "Schedule Flight"
2. Add flight details
 - 2.1. Select date and time
 - 2.2. Select Destination
3. Check for conflicts
 - 3.1. Ensure the plane for that route is free
 - 3.2. Ensure the runway is available
 - 3.3. Display warnings if anything in 2 produced an error
4. Click "Save New Flight"