Integrating with Siri Event Suggestions

Sofiane Toudji, Siri Frameworks Engineer
Magnus Romnes, Siri Frameworks Engineer
9:41 AM - Yoga class
10 AM - Yoga Studio
11 AM - Reservation: Kokkari Estiatorio
Noon
1 PM - Team weekly
2 PM - West Conference Room
3 PM - 1:1 Magnus / Sofiane
4 PM
5 PM
Reservation: Kokkari Estiatorio
Kokkari Estiatorio
200 Jackson St CA 94111
Reservation: Kokkari Estitialio
Traffic is heavy. It will take 1 hr, 9 min to get to Kokkari
200 Jackson St, San Francisco, CA 94111, United States on US-101 N.
Reservation: Kokkari Estiatorio
Traffic is heavy. It will take 1 hr, 9 min to get to Kokkari
200 Jackson St, San Francisco, CA 94111, United States on US-101 N.
Reservation: Kokkari Estiatorio
Traffic is heavy. It will take 1 hour and 9 minutes to Kokkari
200 Jackson St, San Francisco, California, United States on US-101 N.

Kokkari Estiatorio
1 hr 9 min drive
Turn on Do Not Disturb until the end...
12:00 – 1:30 PM “Reservation: Kokkari Estiatorio” found in Calendar
Flight: AA 352 from SJC to DFW
June 7, 2019 at 2:02 PM
Siri found in American

<table>
<thead>
<tr>
<th>Flight 352</th>
<th></th>
<th></th>
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<tbody>
<tr>
<td><strong>Depart</strong></td>
<td><strong>Arrive</strong></td>
<td></td>
</tr>
<tr>
<td>2:02 PM</td>
<td>7:38 PM</td>
<td></td>
</tr>
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<td>Dallas/ Fort Worth</td>
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<td>SJC map</td>
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<td></td>
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<td>DFW map</td>
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<th>Seats</th>
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<tr>
<td>Sofiane Toudji</td>
<td>4A</td>
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Aircraft type: Boeing 737-800 Passenger

Incoming flight
**Flight: AA 352 from SJC to DFW**

June 7, 2019 at 2:02 PM

Siri found in American

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**Passengers:**

Sofiane Toudji

**Seats:**

4A

**Aircraft type:**

Boeing 737-800 Passenger

**Incoming flight:**


Check-in to your flight to Dallas
“Flight: AA 352 from SJC to DFW” at 2:02 PM found in Calendar
INReservation

INRestaurantReservation  INTicketedEventReservation  INTicketedEventReservation

INRentalCarReservation  INTrainReservation  INLodgingReservation  INFlightReservation
INInteraction
Your App

INInteraction

Intent

IntentResponse
Your App

INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

reservations: INLodgingReservation
Your App

INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

reservations: INLodgingReservation
Create and donate interaction
Create and donate interaction
Adopt reservation actions for check-in
Create and donate interaction
Adopt reservation actions for check-in
Handle app launch scenarios
Demo

Magnus Romnes, Siri Frameworks Engineer
Donations
Check in for flight XX 815

“Flight: XX 815 from SFO to CDG” at 2:50 PM found in Calendar

Safari
Donating Reservations

Key concepts

Flight: XX 815 from SFO to CDG
San Francisco International Airport
San Francisco, CA 94128, United States

from 2:50 PM Sat, Jun 8, 2019
to 1:35 AM Sun, Jun 9, 2019
from 2:50 PM (GMT-7) Sat, Jun 8, 2019
to 10:35 AM (GMT+2) Sun, Jun 9, 2019
Donating Reservations

Key concepts

Flight: XX 815 from SFO to CDG
San Francisco International Airport
San Francisco, CA 94128, United States
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from 2:50 PM Sat, Jun 8, 2019
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to 10:35 AM (GMT+2) Sun, Jun 9, 2019

Time
Donating Reservations

Key concepts

Calendar
Alert
None

URL
Show in My Flights

Notes
Reservation Number: QGSNTA
Magnus Romnes
Donating Reservations

Key concepts

Notes

Reservation Number: QGSNTA
Magnus Romnes
Donating Reservations

Key concepts

- Calendar
  - Alert: None
- URL: Show in My Flights
- Notes:
  - Reservation Number: QGSNTA
  - Magnus Romnes
Donating Reservations

Key concepts

- URL: Show in My Flights
- Notes: Reservation Number: QGSNTA
- Magnus Romnes

Opens reservation in app
Donating Reservations

Key concepts
Donating Reservations

Key concepts

```python
INFlightReservation
reservationNumber: B9C8
flight: XX815
```
Donating Reservations

Key concepts

INFlightReservation
reservationNumber: B9C8
flight: XX815

INFlightReservation
reservationNumber: B9C8
flight: XX816
Donating Reservations

Key concepts

```
INFlightReservation
reservationNumber: B9C8
flight: XX815
itemReference: B9C8-XX815
```

```
INFlightReservation
reservationNumber: B9C8
flight: XX816
itemReference: B9C8-XX816
```
Donating Reservations

Key concepts

**INGetReservationDetailsIntentResponse**

**INFlightReservation**
- reservationNumber: B9C8
- flight: XX815
- itemReference: B9C8-XX815

**INFlightReservation**
- reservationNumber: B9C8
- flight: XX816
- itemReference: B9C8-XX816
Donating Reservations

Key concepts

INGetReservationDetailsIntent

reservationContainerReference:
reserverationItemReferences:

INGetReservationDetailsIntentResponse

INFlightReservation
reservationNumber: B9C8
flight: XX815
itemReference: B9C8-XX815

INFlightReservation
reservationNumber: B9C8
flight: XX816
itemReference: B9C8-XX816
Donating Reservations

Key concepts

INGetReservationDetailsIntent

reservationContainerReference: B9C8
reserverationItemReferences:

INGetReservationDetailsIntentResponse

INFlightReservation
reservationNumber: B9C8
flight: XX815
itemReference: B9C8-XX815

INFlightReservation
reservationNumber: B9C8
flight: XX816
itemReference: B9C8-XX816
Donating Reservations

Key concepts

INGetReservationDetailsIntent
reservationContainerReference: B9C8
reservationItemReferences: nil

INGetReservationDetailsIntentResponse

INFlightReservation
reservationNumber: B9C8
flight: XX815
itemReference: B9C8-XX815

INFlightReservation
reservationNumber: B9C8
flight: XX816
itemReference: B9C8-XX816
Donating Reservations

Key concepts

INInteraction

INGetReservationDetailsIntent

reservationContainerReference: B9C8
reserverationItemReferences: nil

INGetReservationDetailsIntentResponse

INFlightReservation
reservationNumber: B9C8
flight: XX815
itemReference: B9C8-XX815

INFlightReservation
reservationNumber: B9C8
flight: XX816
itemReference: B9C8-XX816
Donating Reservations

Key concepts

INGetReservationDetailsIntent
reservationContainerReference:
reserverationItemReferences:
Donating Reservations

Key concepts

```
INGetReservationDetailsIntent
reservationContainerReference: B9C8
reservationItemReferences: 
```
Donating Reservations

Key concepts

INGetReservationDetailsIntent
reservationContainerReference: B9C8
reservationItemReferences: [B9C8-XX815]
Donating Reservations

Key concepts

NSUserActivity
INInteraction
INGetReservationDetailsIntent
reservationContainerReference: B9C8
carerVaItemReferences: [B9C8–XX815]
User makes reservation
Reservation Lifecycle

When to donate

Apple Air Flight XX815
Reservation number QGSNTA

**Departure:**
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

**Arrival:**
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

When to donate

INInteraction

Viewing

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

When to donate

INInteraction

Viewing

Apple Air Flight XX815
Reservation number QGSNTA

**Departure:**
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

**Arrival:**
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

When to donate

Viewing

Updates

Flight: XX 815 from SFO to CDG
June 8, 2019 at 2:50 PM
Siri found in My Flights

San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

When to donate

INInteraction

Viewing

Updates

Flight: XX 815 from SFO to CDG
June 8, 2019 at 2:50 PM
Siri found in My Flights

San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

When not to donate

- Thanksgiving Trip to New York
- Summer Trip to Portland
Reservation Lifecycle

When not to donate

- Thanksgiving Trip to New York
- Summer Trip to Portland
Reservation Lifecycle
When not to donate

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM

Donate Reservation
Reservation Lifecycle

Modifications

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

Modifications

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM

INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

INFlightReservation

itemReference: B9C8-XX123
seat: nil
Reservation Lifecycle
Modifications

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM

Seat: 16C
Reservation Lifecycle

Modifications

INInteraction
INGetReservationDetailsIntent
INGetReservationDetailsIntentResponse
INFlightReservation
itemReference: B9C8-XX123
seat: nil

INInteraction
INGetReservationDetailsIntent
INGetReservationDetailsIntentResponse
INFlightReservation
itemReference: B9C8-XX123
seat: 16C
Reservation Lifecycle

Modifications

INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

INFlightReservation

itemReference: B9C8-XX123
seat: 16C

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM

Seat: 16C
Reservation Lifecycle

Cancellations

Apple Air Flight XX815
Reservation number QGSNTA

**Departure:**
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

**Arrival:**
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM
Reservation Lifecycle

Cancellations

Apple Air Flight XX815
Reservation number QGSNTA

Departure:
San Francisco International Airport (SFO)
Jun 8, 2019 at 2:50 PM

Arrival:
Charles de Gaulle Airport (CDG)
Jun 9, 2019 at 10:35 AM

INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

INFlightReservation

itemReference: B9C8-XX123
reservationStatus: .confirmed
Reservation Lifecycle
Cancellations

INGetReservationDetailsIntent
INInteraction
INFlightReservation
INGetReservationDetailsIntentResponse
itemReference: B9C8-XX123
reservationStatus: .confirmed
Reservation Lifecycle

Cancellations

Apple Air Flight XX815
Reservation number QGSNTA

<table>
<thead>
<tr>
<th>Departure:</th>
<th>San Francisco International Airport (SFO)</th>
<th>Jun 8, 2019 at 3:30 PM</th>
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<tbody>
<tr>
<td>Arrival:</td>
<td>Charles de Gaulle Airport (CDG)</td>
<td>Jun 9, 2019 at 10:35 AM</td>
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</table>

CANCELLED

INGetReservationDetailsIntent
INInteraction
INFlightReservation
INGetReservationDetailsIntentResponse
itemReference: B9C8-XX123
reservationStatus: .cancelled
Summary
Summary

Provide a great user experience for your reservations
Summary

Provide a great user experience for your reservations

Donate reservations details in your app
Summary

Provide a great user experience for your reservations
Donate reservations details in your app
Donate changes throughout the reservation lifecycle
Summary

Provide a great user experience for your reservations
Donate reservations details in your app
Donate changes throughout the reservation lifecycle
Handle app launch scenarios
### More Information

developer.apple.com/wwdc19/243

<table>
<thead>
<tr>
<th>Topic</th>
<th>Year</th>
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<tr>
<td>Introduction to Shortcuts</td>
<td>WWDC 2018</td>
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<tr>
<td>Increase Usage of Your App With Proactive Suggestions</td>
<td>WWDC 2016</td>
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<td>Adopting Handoff on iOS and OS X</td>
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