

#WWDC19

# Integrating with Siri Event Suggestions

Sofiane Toudji, Siri Frameworks Engineer  
Magnus Romnes, Siri Frameworks Engineer





9:41



< June ☰ 🔍 +

S	M	T	W	T	F	S
2	3	4	5	6	7	8

Friday June 7, 2019

9:41 AM • **Yoga class**  
Yoga Studio

10 AM

11 AM

Noon

**Reservation: Kokkari Estiatorio**  
Kokkari Estiatorio  
200 Jackson St CA 94111

1 PM

2 PM

**Team weekly**  
West Conference Room

3 PM

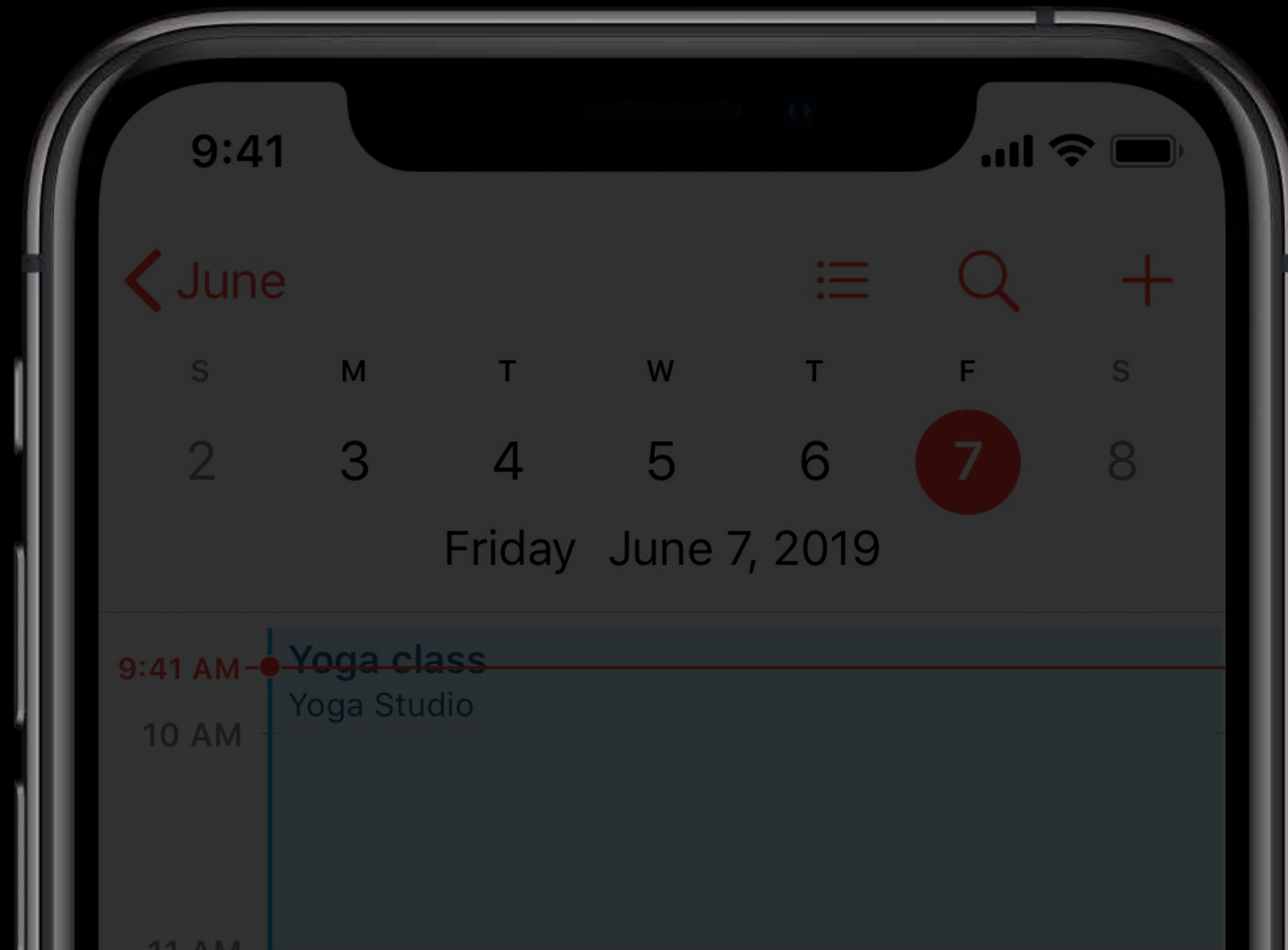
4 PM

**1:1 Magnus / Sofiane**  
My office

5 PM

Today      Calendars      Inbox (1)

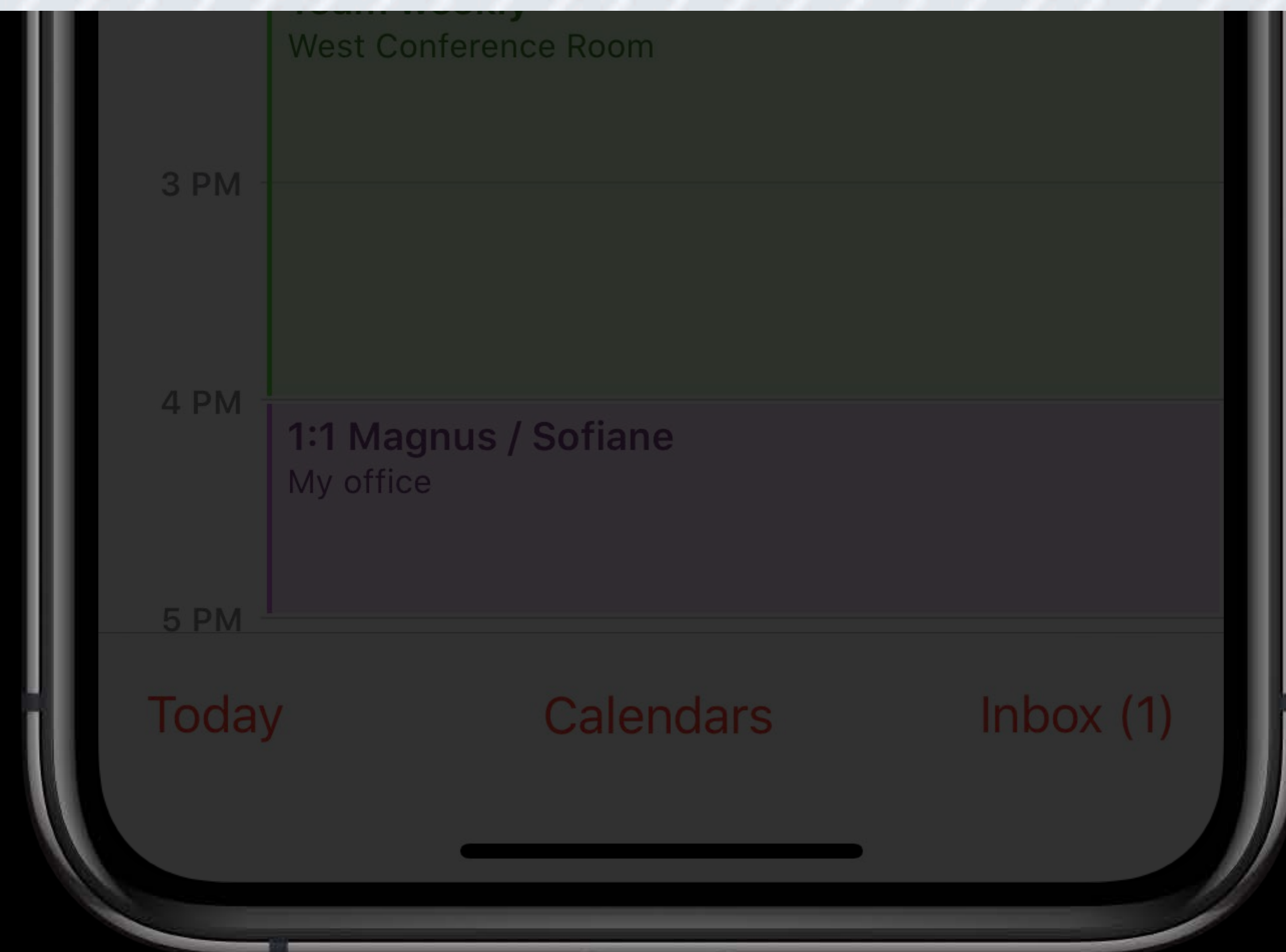




## Reservation: Kokkari Estiatorio

Kokkari Estiatorio

200 Jackson St CA 94111







9:41

< June

S M T W

2 3 4 5

Friday Jun

9:41 AM • Yoga class

Yoga Studio

10 AM

11 AM

Noon

Reservation: Kokkari

Kokkari Estiatorio

200 Jackson St CA 94111

1 PM

2 PM

Team weekly

West Conference Room

3 PM

4 PM

1:1 Magnus / Sofiane

My office

5 PM

Today Calendar

Signal, Wi-Fi, and battery icons



10:30

Friday, June 7

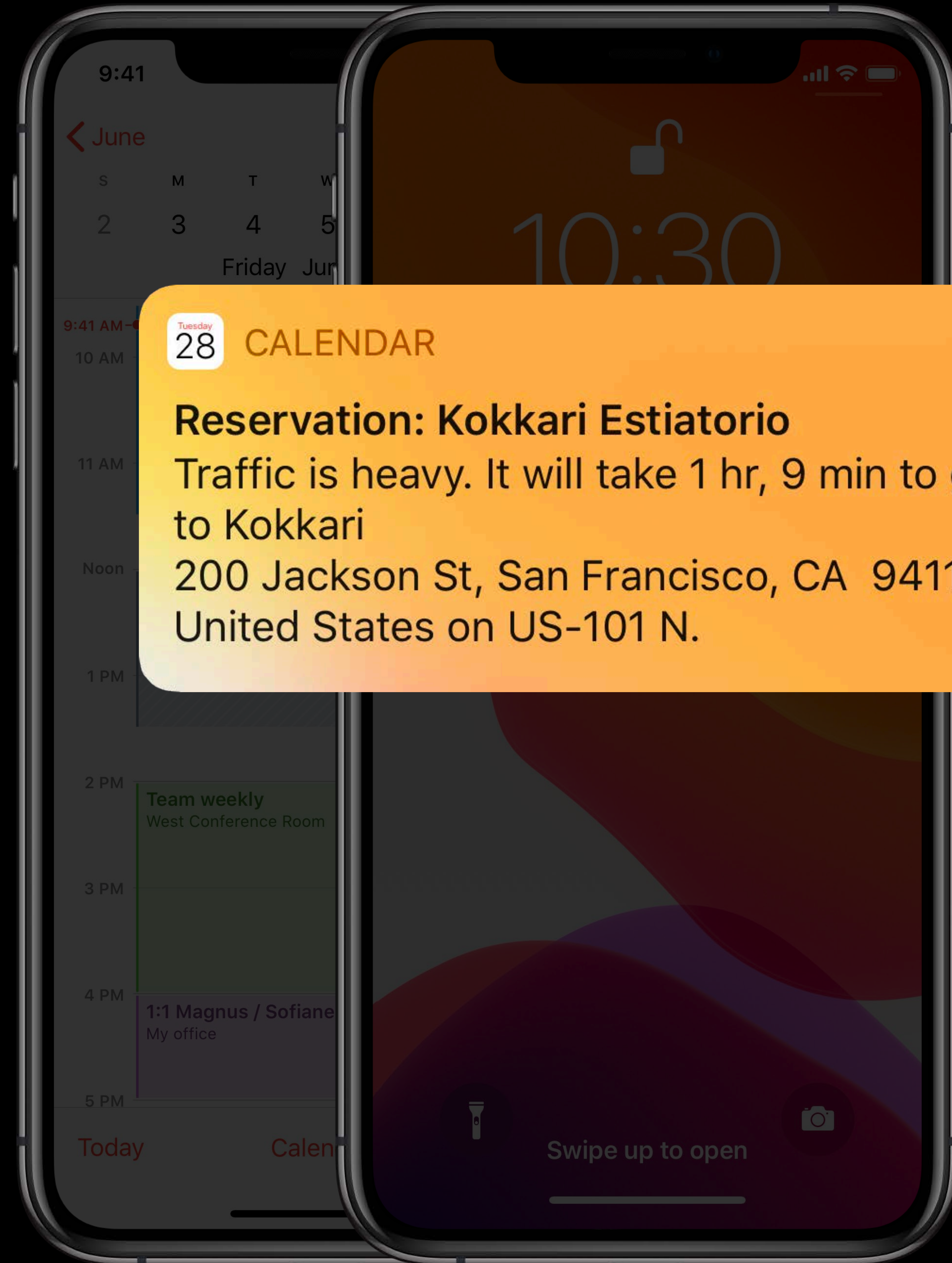
28 CALENDAR 12:00 PM

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.



Swipe up to open





9:41

< June

S M T W

2 3 4 5

Friday Jun

9:41 AM

10 AM

11 AM

Noon

1 PM

2 PM

3 PM

4 PM

5 PM

Today

Calen

Tuesday  
28

CALENDAR

12:00 PM

**Reservation: Kokkari Estiatorio**

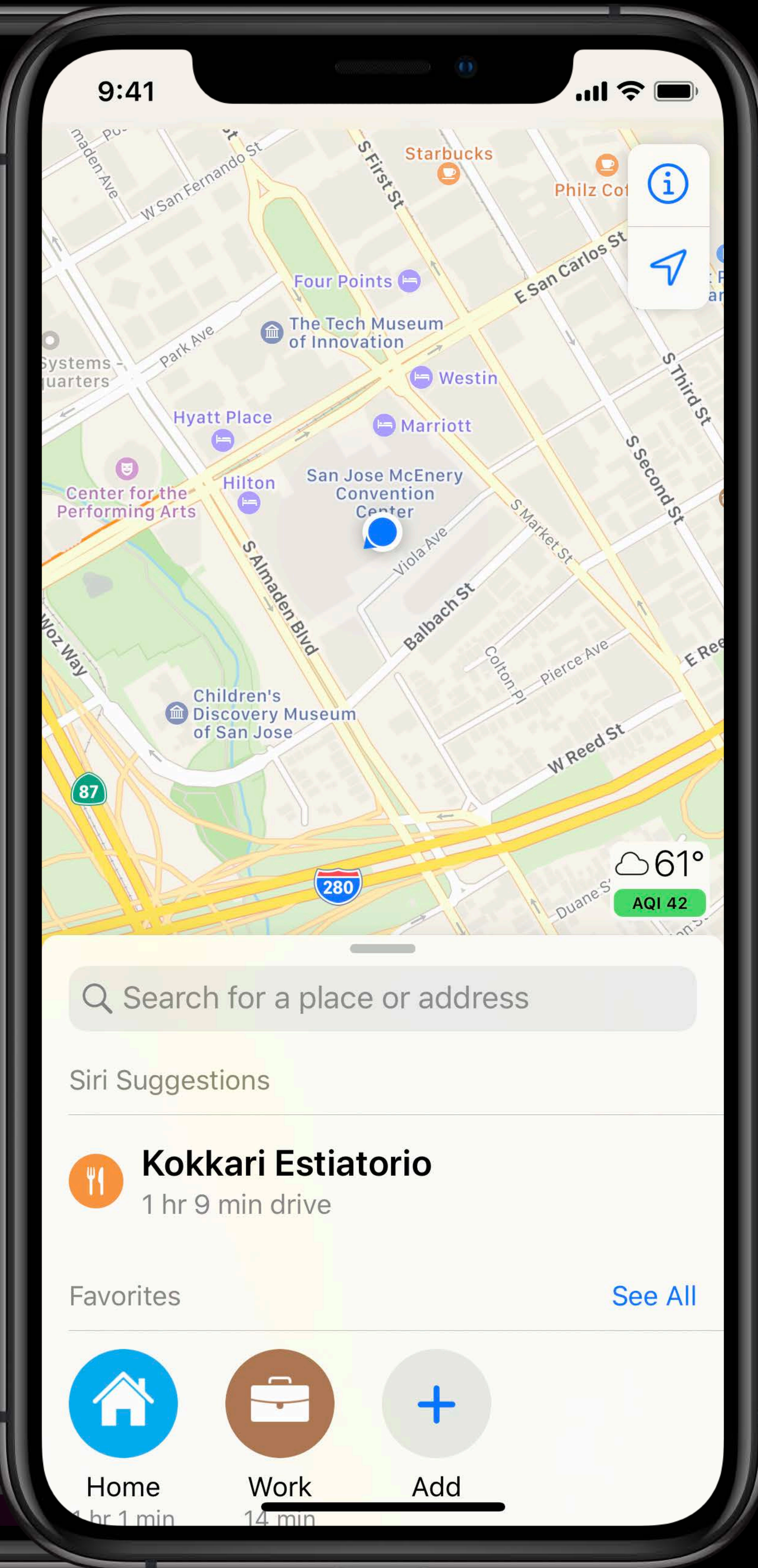
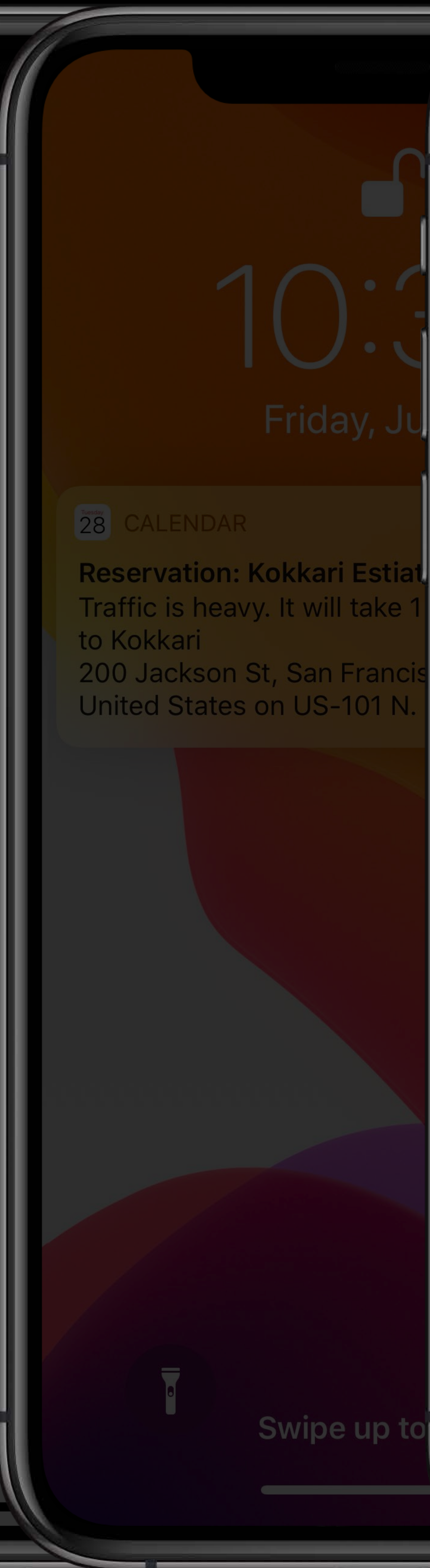
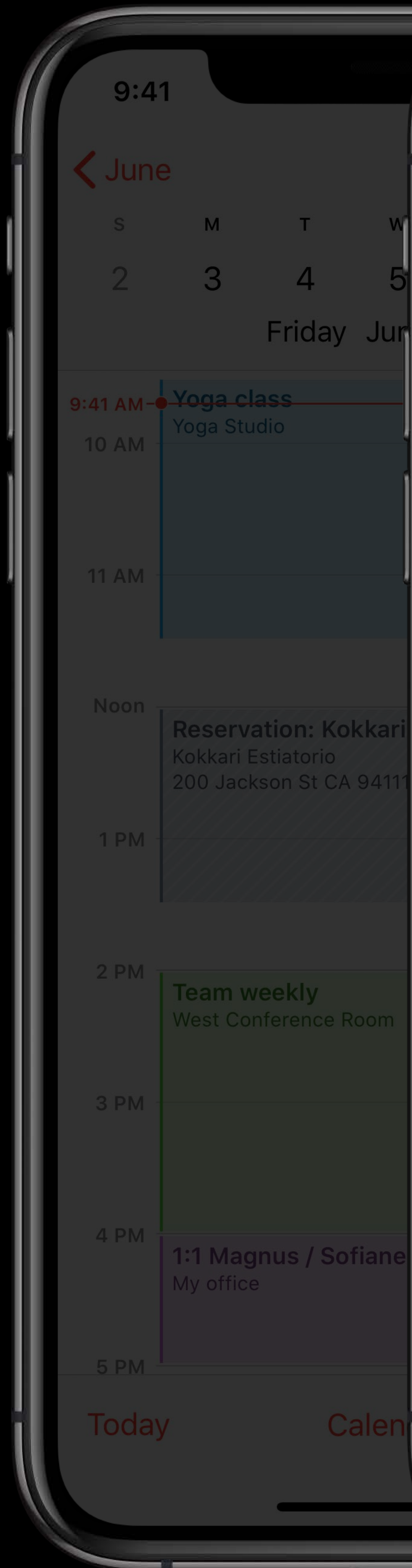
Traffic is heavy. It will take 1 hr, 9 min to get to Kokkari

200 Jackson St, San Francisco, CA 94111, United States on US-101 N.

10:30

Swipe up to open









## Kokkari Estiatorio

1 hr 9 min drive





9:41

< June

S M T W

2 3 4 5

Friday Jun

9:41 AM • Yoga class

Yoga Studio

10 AM

11 AM

Noon

Reservation: Kokkari

Kokkari Estiatorio

200 Jackson St CA 94111

1 PM

2 PM

Team weekly

West Conference Room

3 PM

4 PM

1:1 Magnus / Sofiane

My office

5 PM

Today

Calen

Swipe up to

9:41

10:30

Friday, Jun

28 CALENDAR

Reservation: Kokkari Estia

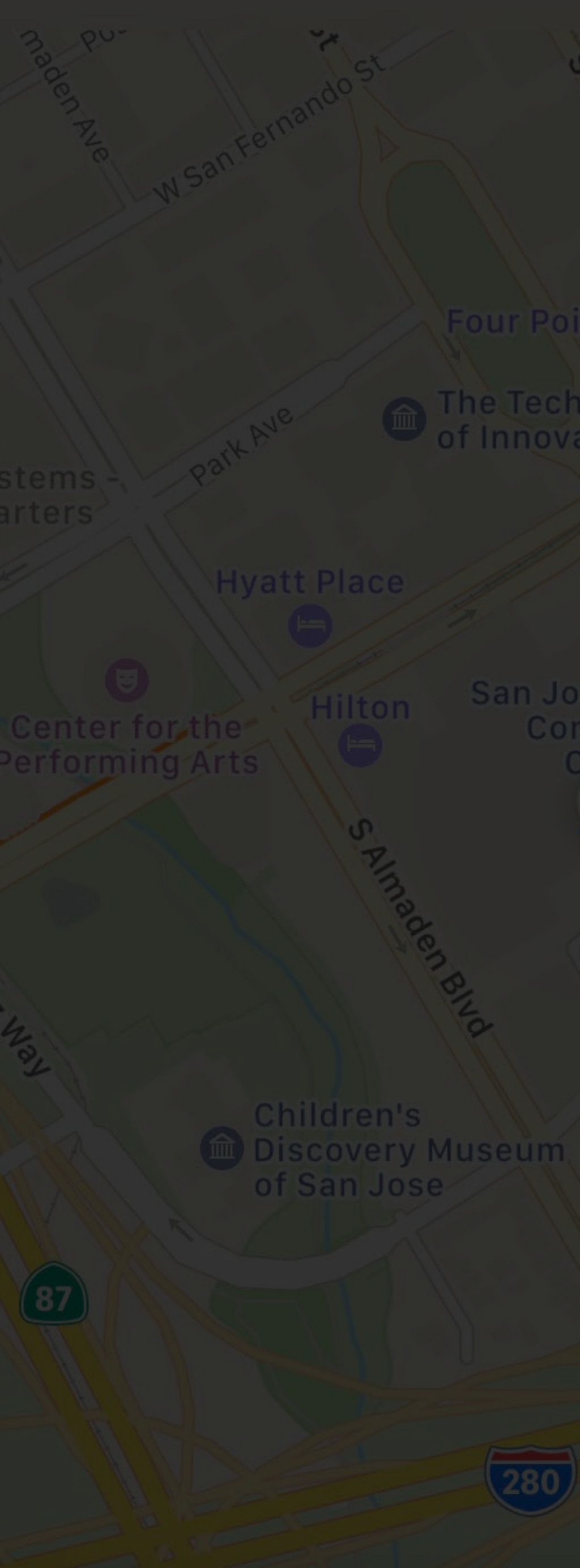
Traffic is heavy. It will take

to Kokkari

200 Jackson St, San Franc

United States on US-101 N

9:41



Search for a place

Siri Suggestions

Kokkari Estiat

1 hr 9 min drive

Favorites



Home



Work

1 hr 1 min

14 min

Signal strength, Wi-Fi, and battery icons.



12:00

Friday, June 7



DO NOT DISTURB | SIRI SUGGESTION

Turn on Do Not Disturb until the end...

12:00 - 1:30 PM "Reservation: Kokkari Estiatorio" found in Calendar



Swipe up to open







**DO NOT DISTURB | SIRI SUGGESTION**

**Turn on Do Not Disturb until the end...**  
12:00 – 1:30 PM "Reservation: Kokkari Estiatorio" found in Calendar



Swipe up to

Swipe up to open











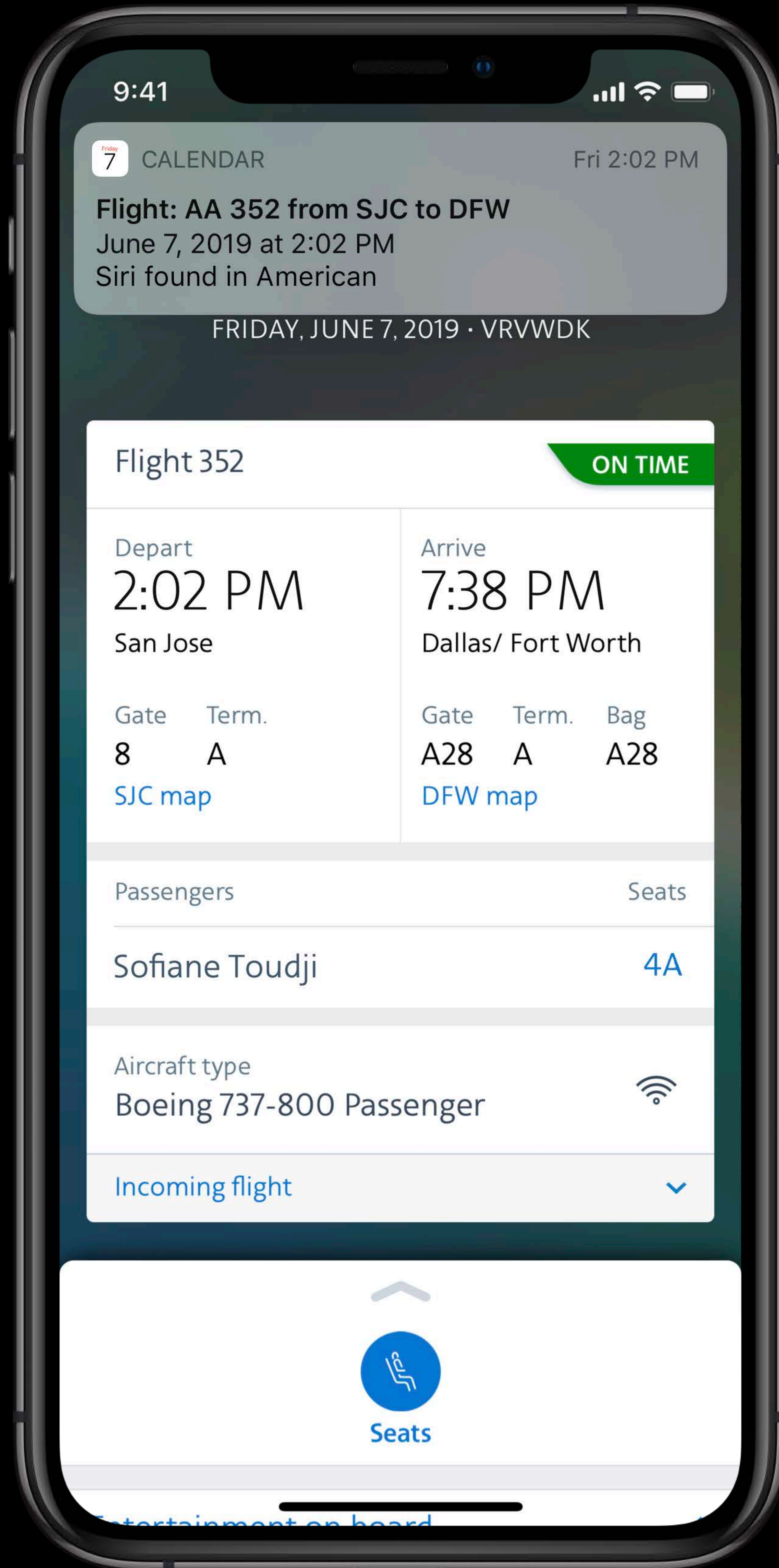




NEW







NEW





9:41

Friday 7 CALENDAR Fri 2:02 PM

**Flight: AA 352 from SJC to DFW**  
June 7, 2019 at 2:02 PM  
Siri found in American

Depart 2:02 PM San Jose

Arrive 7:38 PM Dallas/ Fort Worth

Gate	Term.	Gate	Term.	Bag
8	A	A28	A	A28

SJC map DFW map

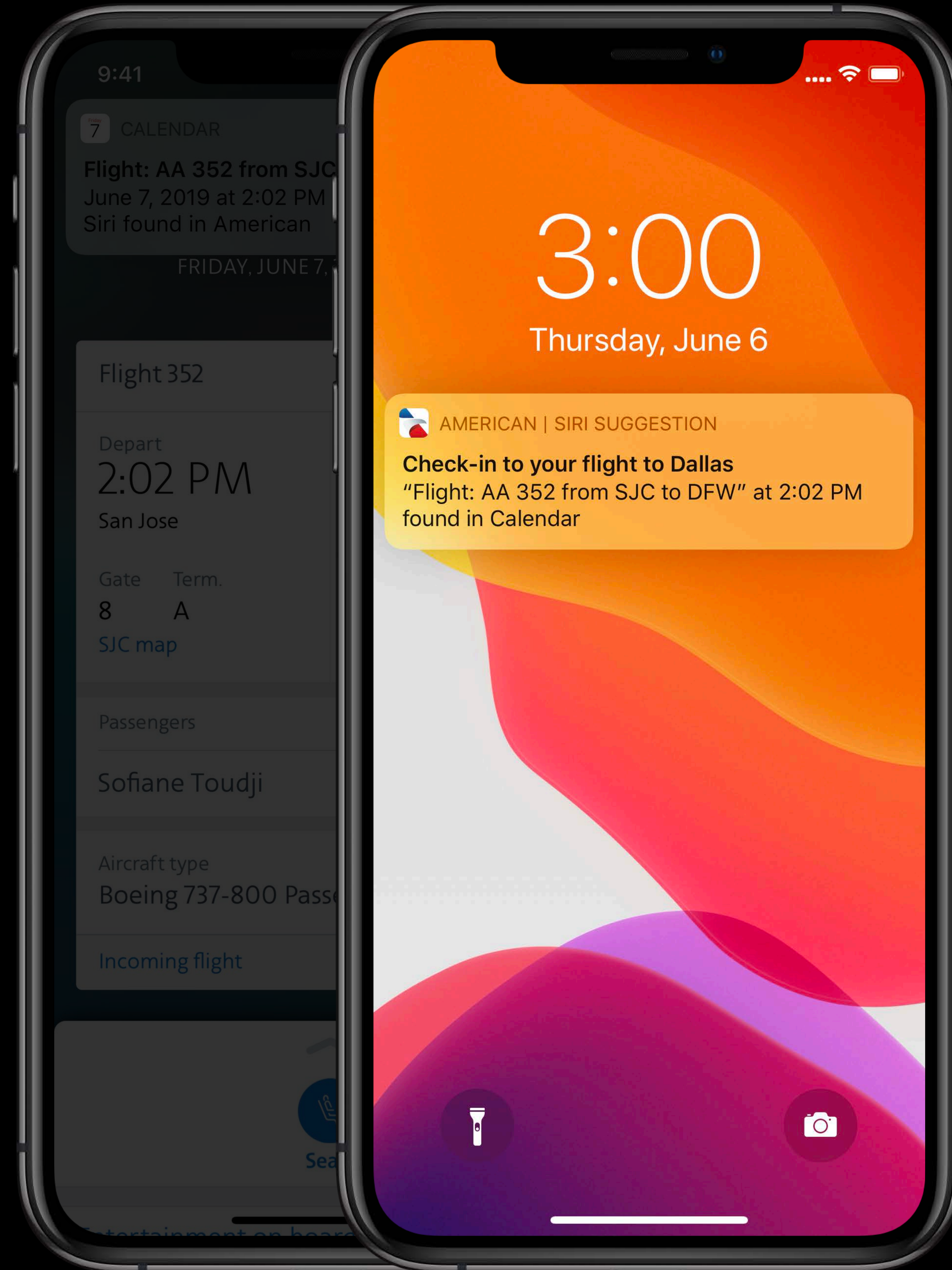
Passengers Sofiane Toudji Seats 4A

Aircraft type Boeing 737-800 Passenger

Incoming flight

Seats





NEW

9:41

7 CALENDAR

Flight: AA 352 from SJC  
June 7, 2019 at 2:02 PM  
Siri found in American

FRIDAY, JUNE 7,

Flight 352

Depart  
2:02 PM  
San Jose

Gate Term.  
8 A  
SJC map

Passengers

Sofiane Toudji

Aircraft type  
Boeing 737-800 Pass

Incoming flight

3:00

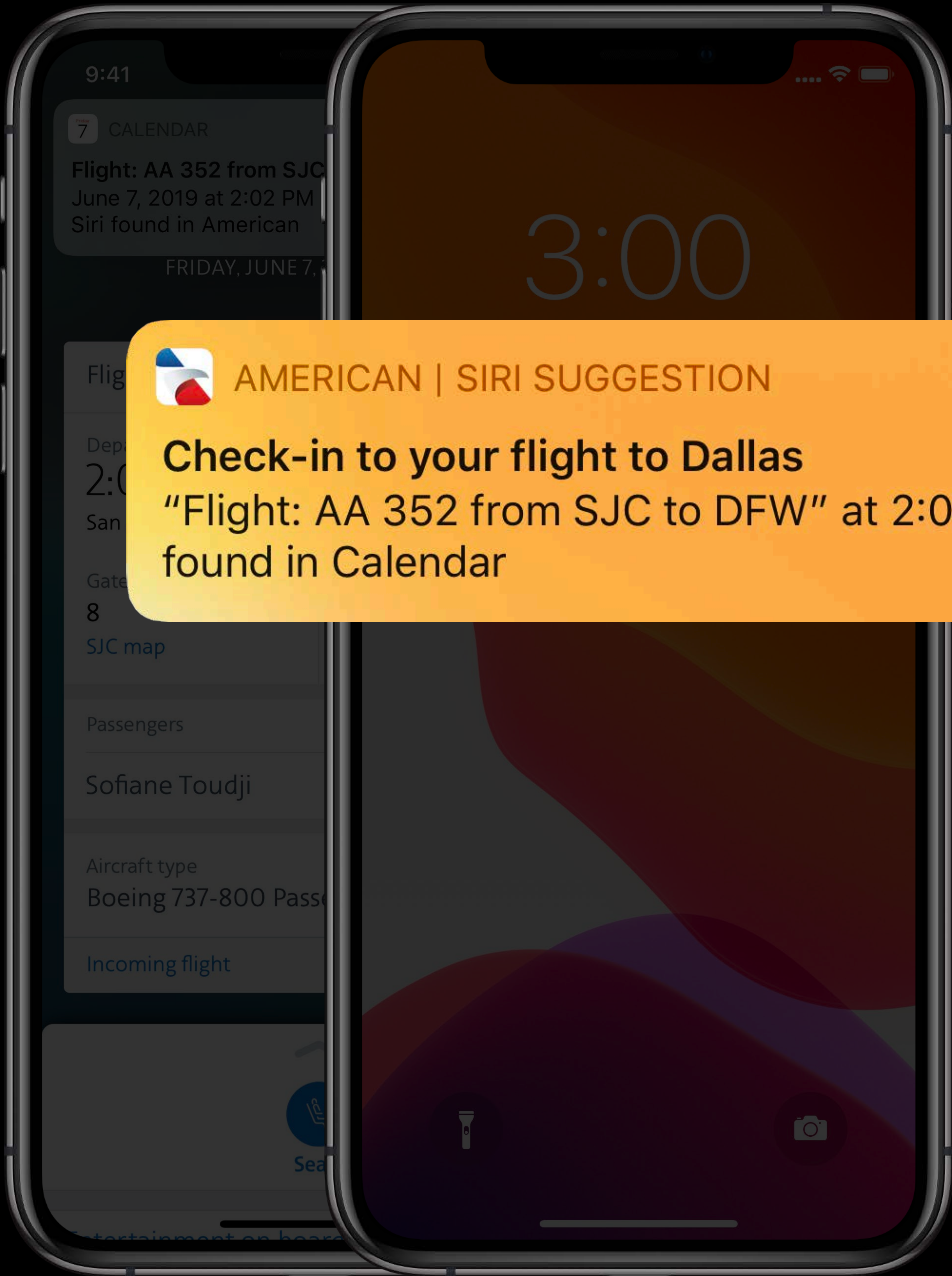
Thursday, June 6


AMERICAN | SIRI SUGGESTION  
**Check-in to your flight to Dallas**  
"Flight: AA 352 from SJC to DFW" at 2:02 PM  
found in Calendar





NEW



 AMERICAN | SIRI SUGGESTION

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

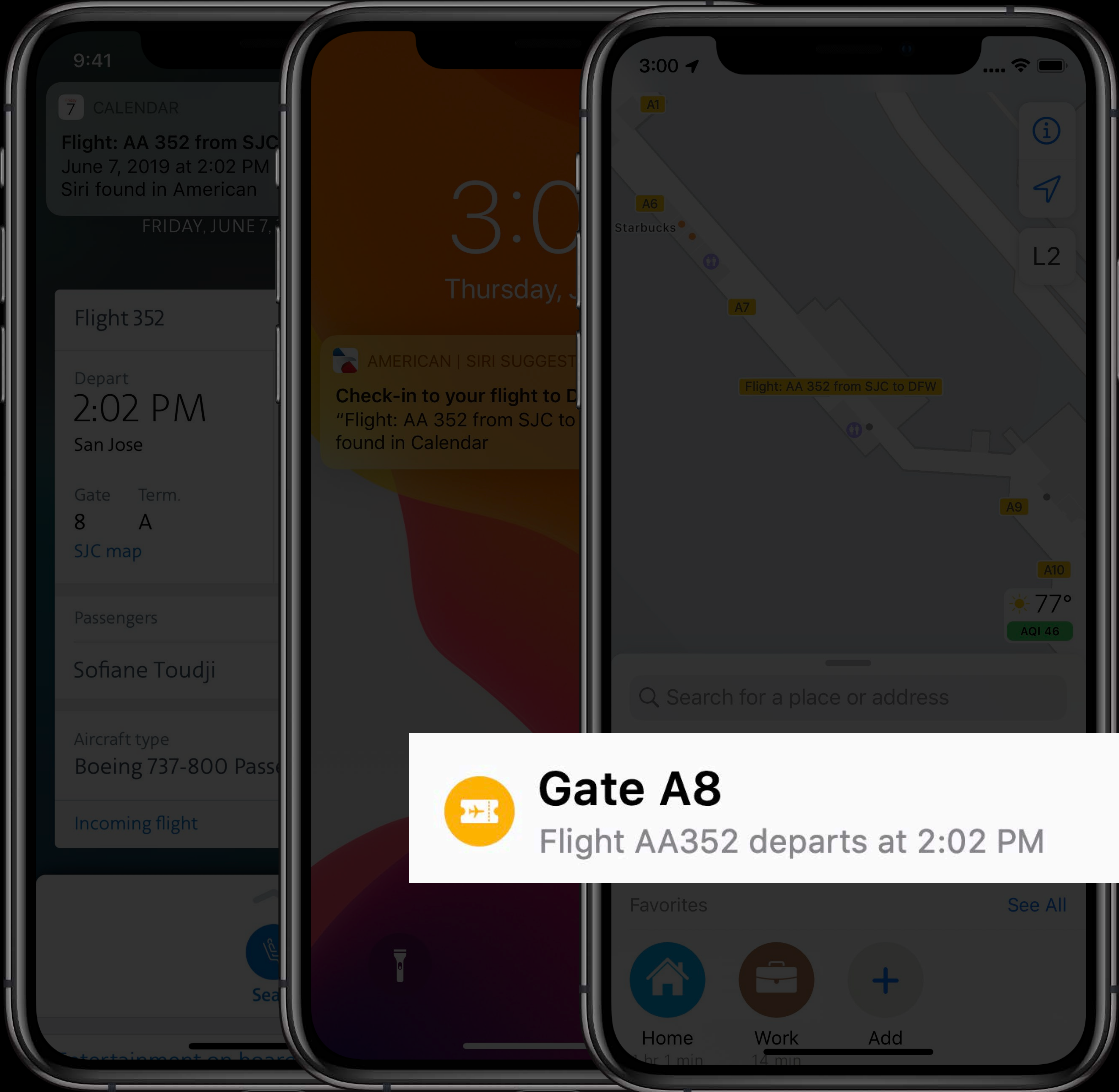




NEW



NEW

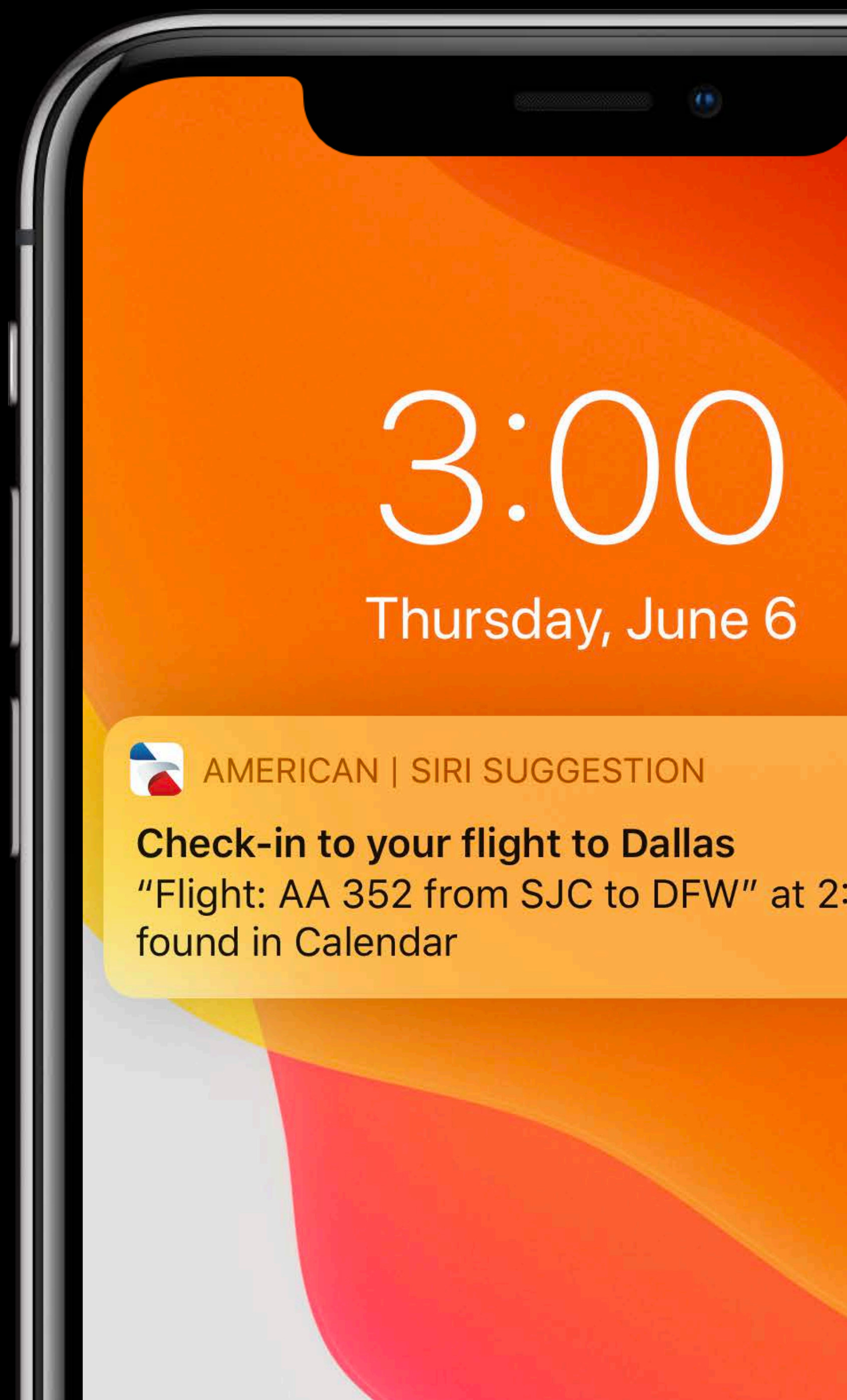
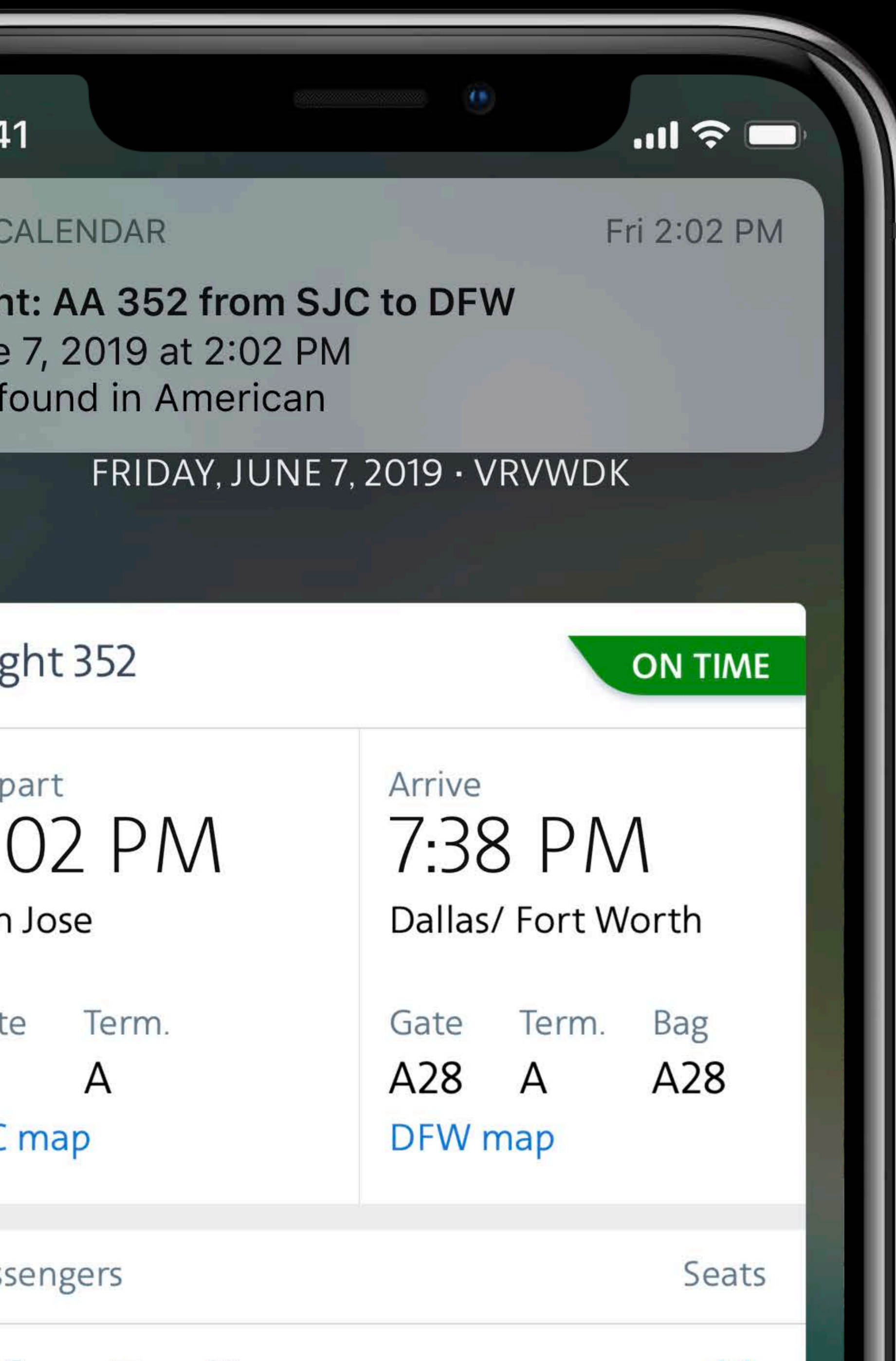
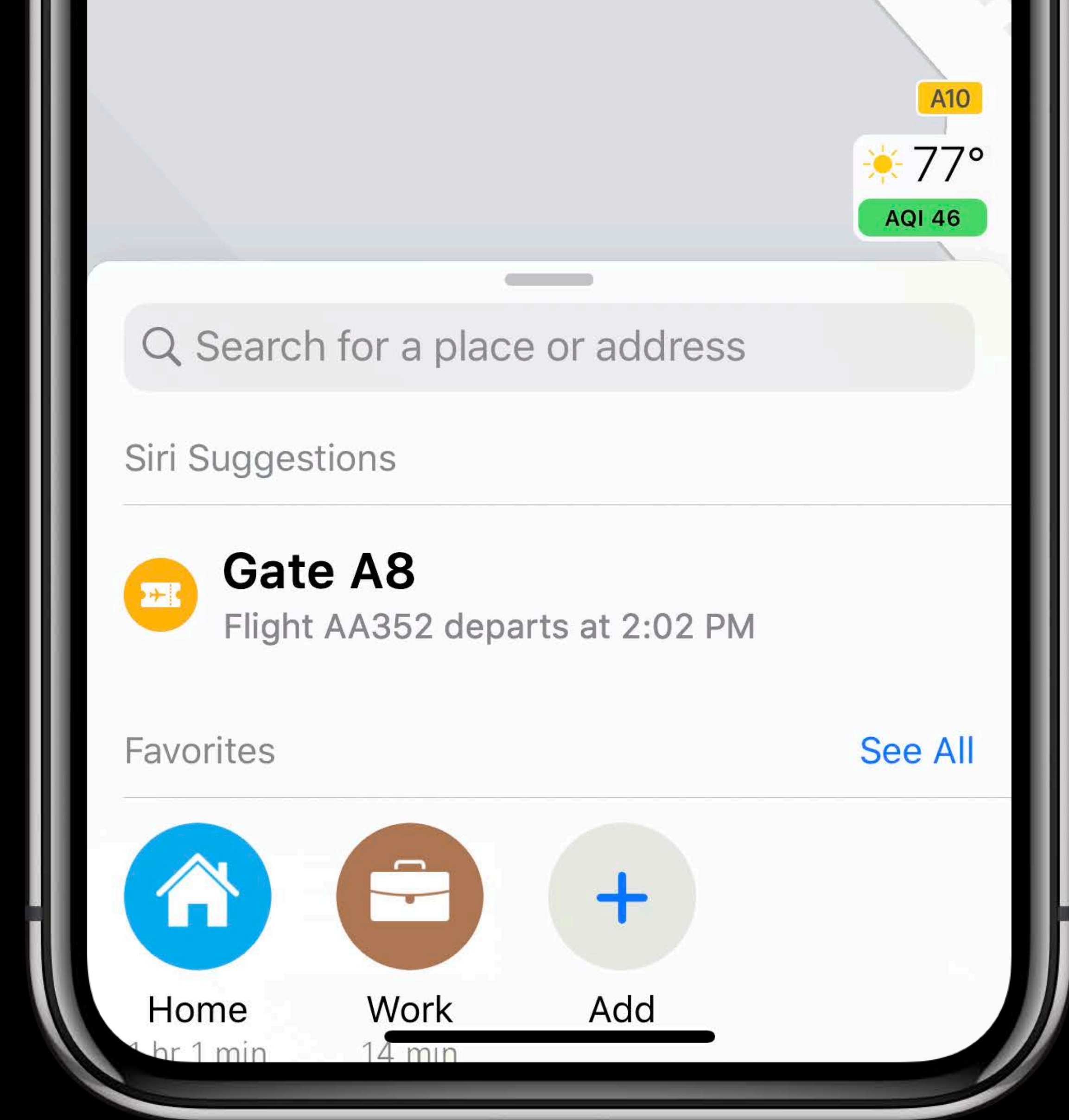


 **Gate A8**  
Flight AA352 departs at 2:02 PM















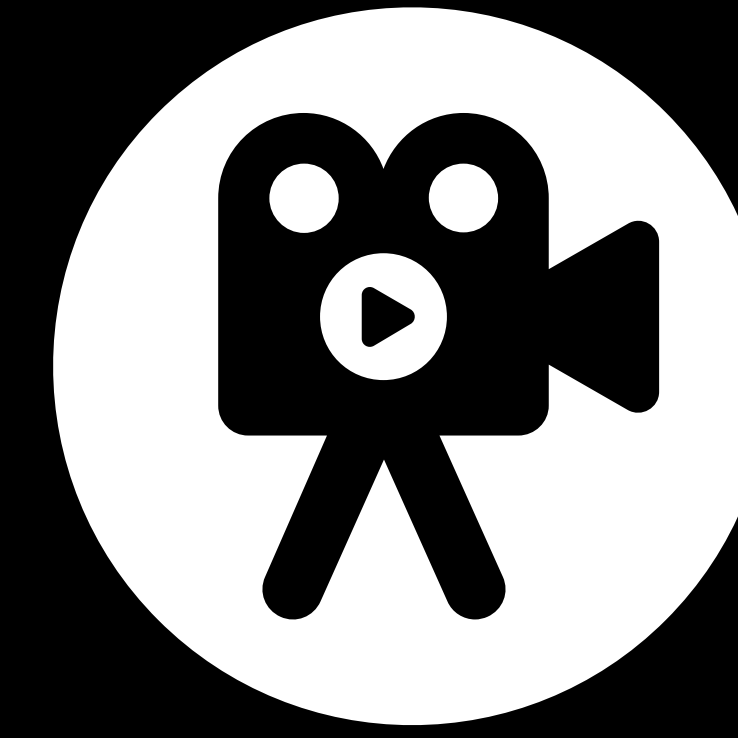


Intents.framework

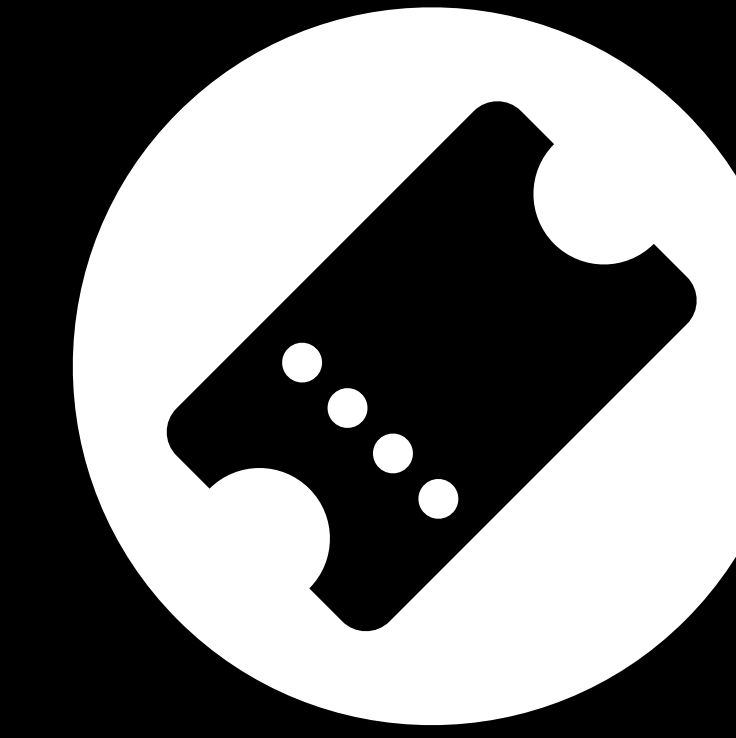




Restaurant



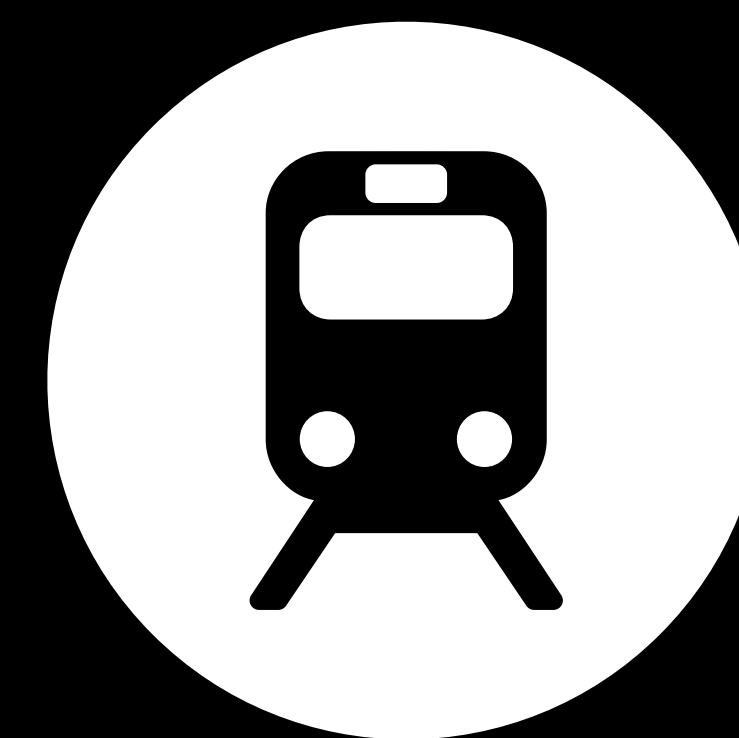
Movies



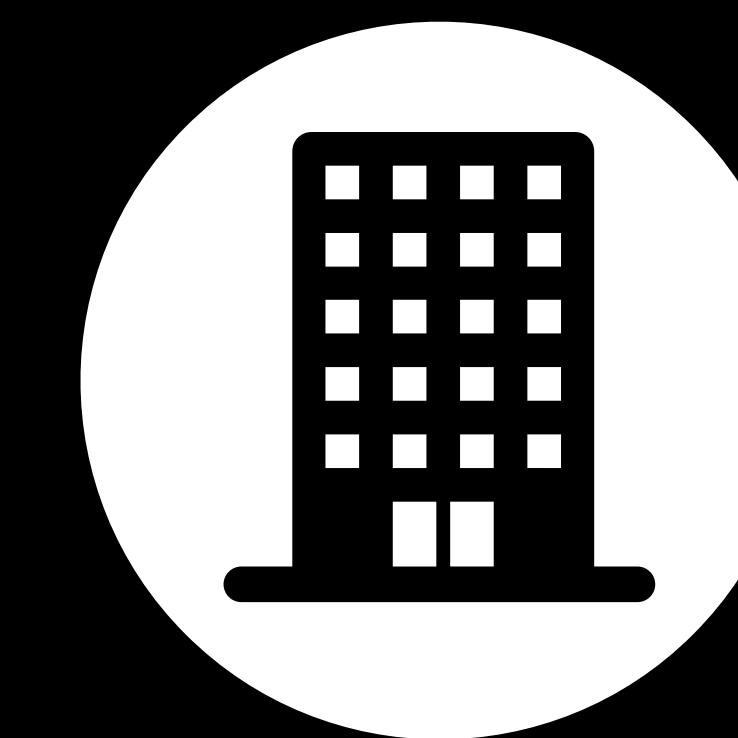
Ticketed Events



Car Rentals



Train



Hotels



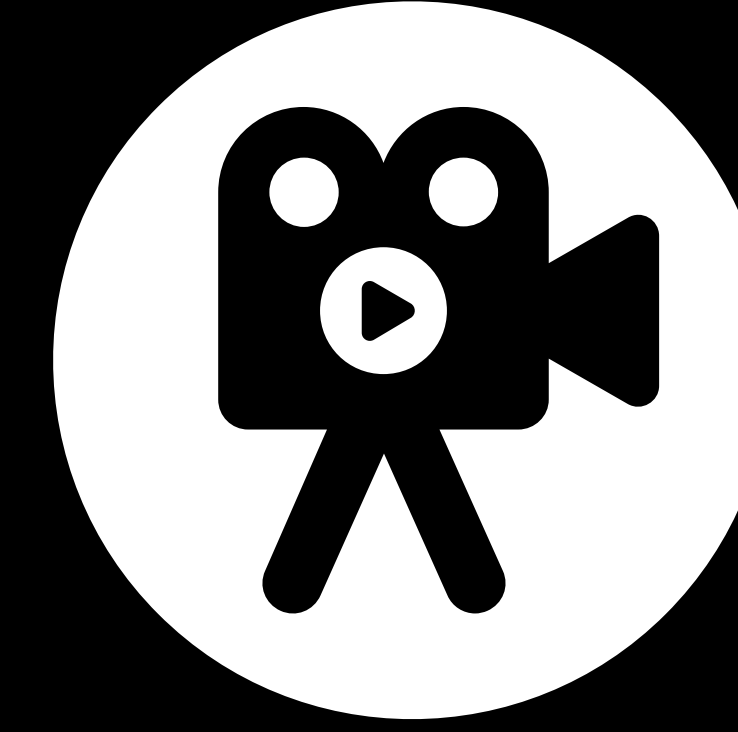
Flights



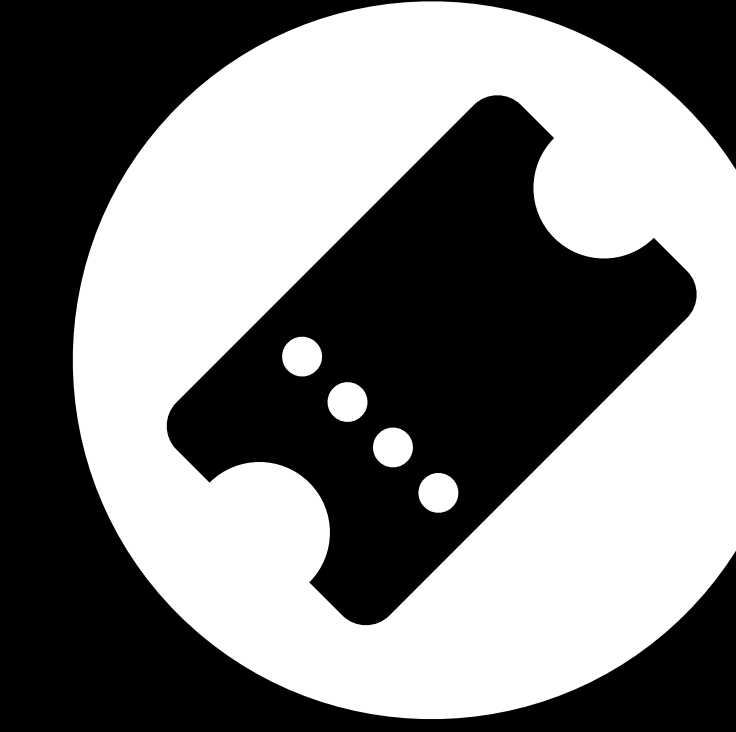
# INReservation



INRestaurantReservation



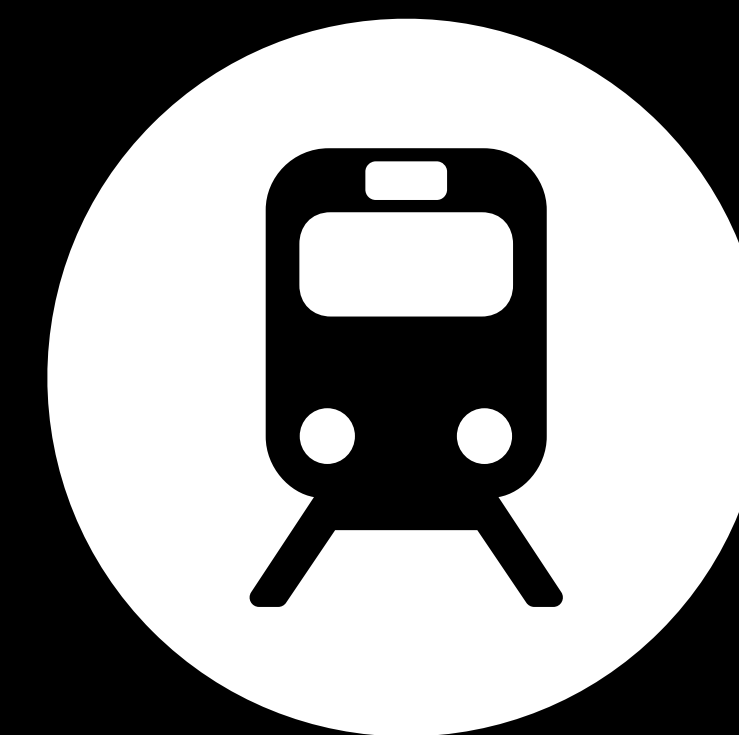
INTicketedEventReservation



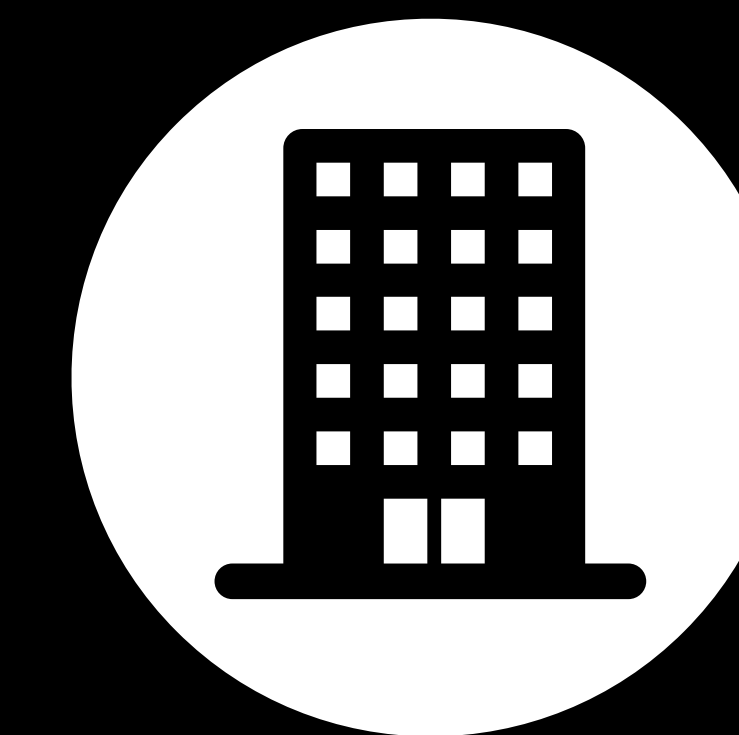
INTicketedEventReservation



INRentalCarReservation



INTrainReservation



INLodgingReservation

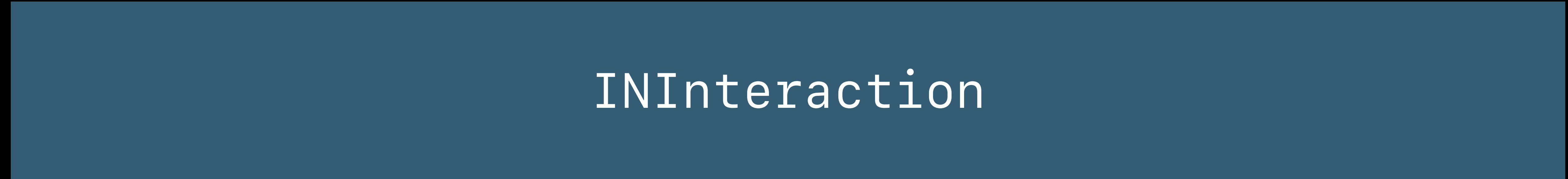


INFlightReservation





Your App

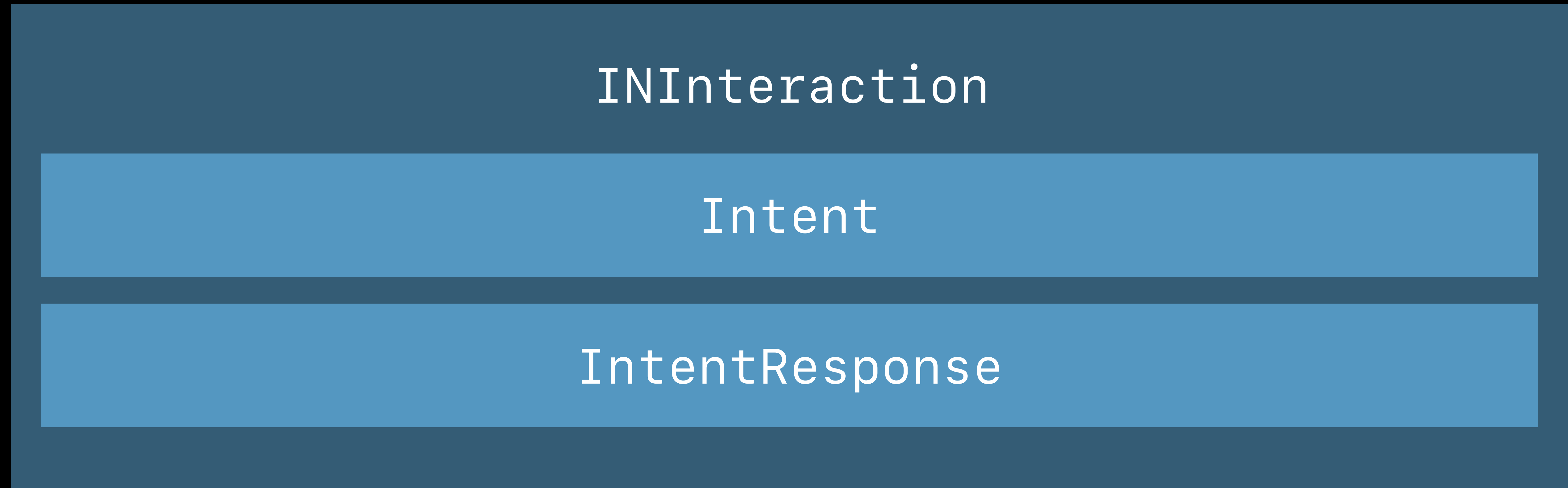


INInteraction





Your App

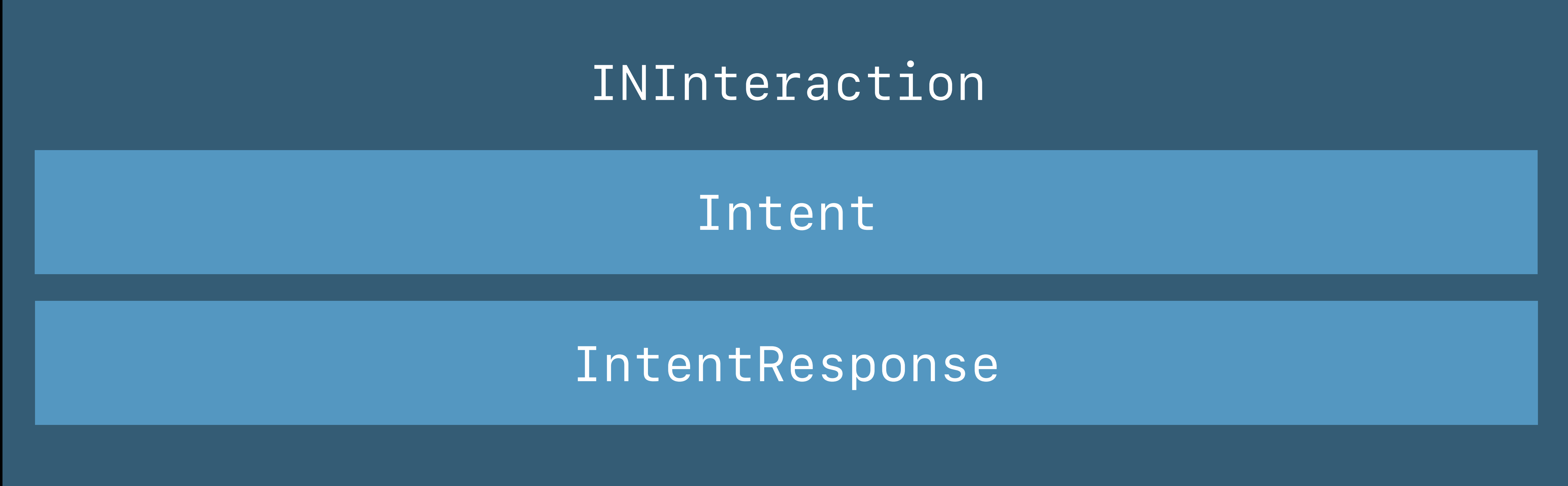




NEW



Your App

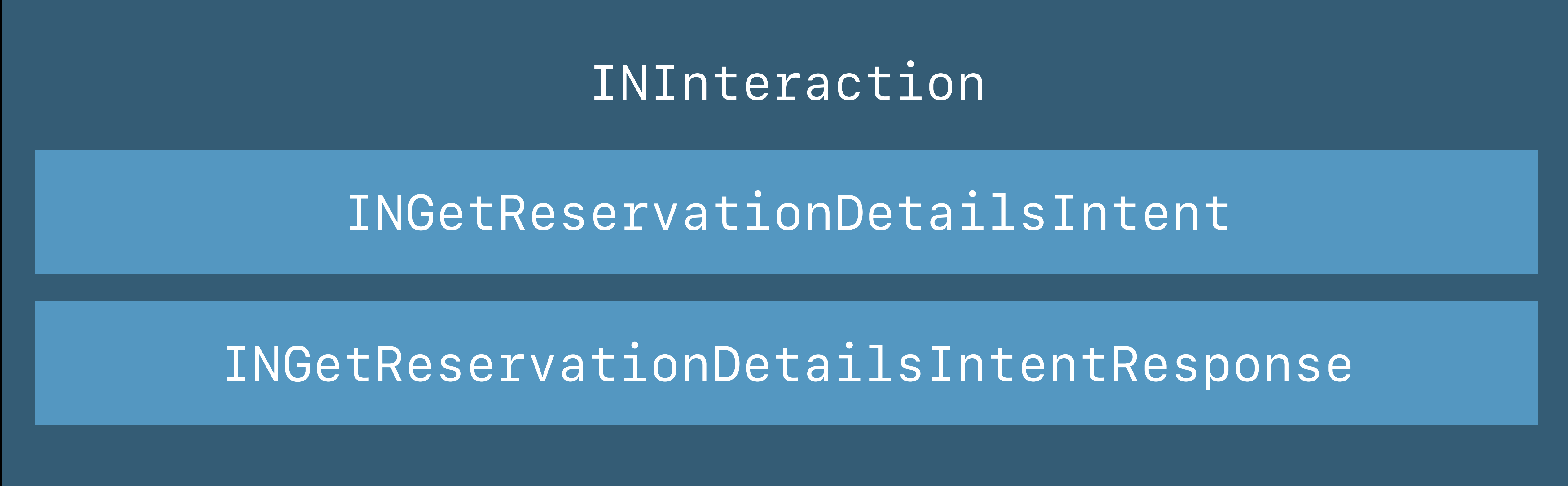




NEW



Your App

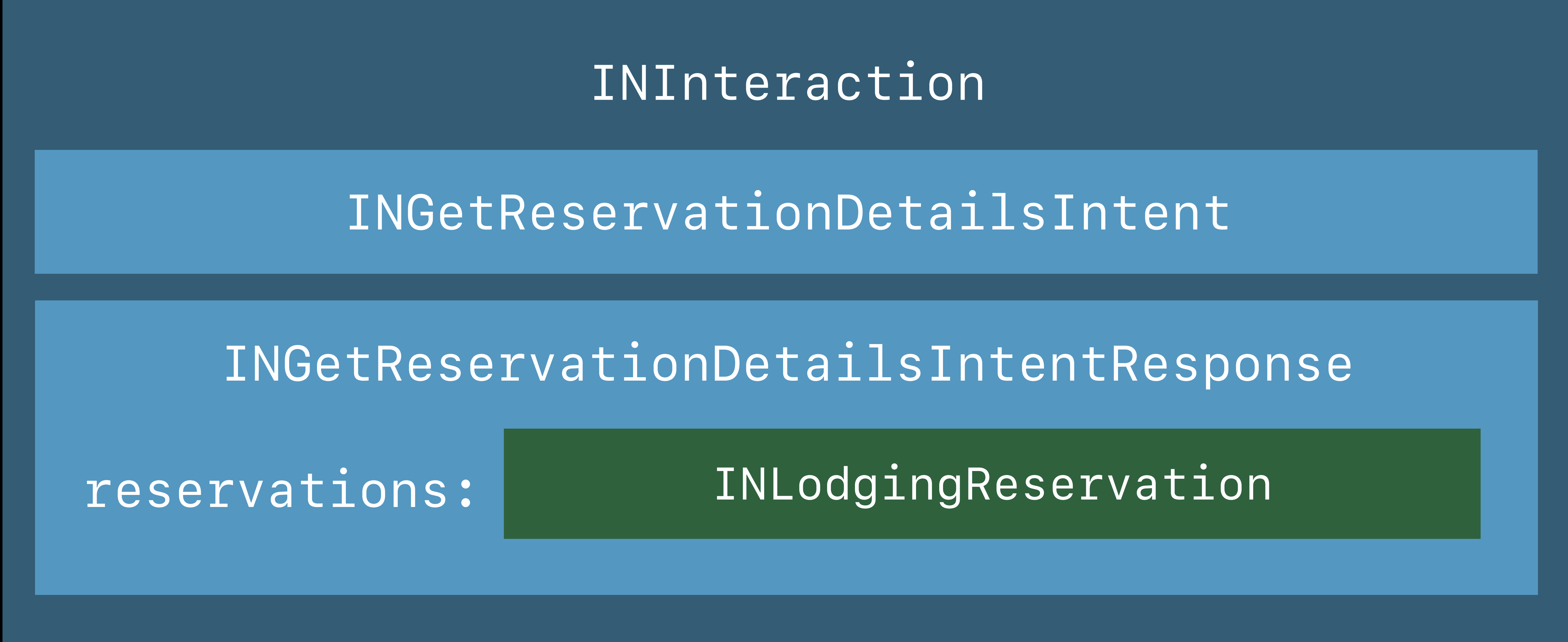




NEW



Your App

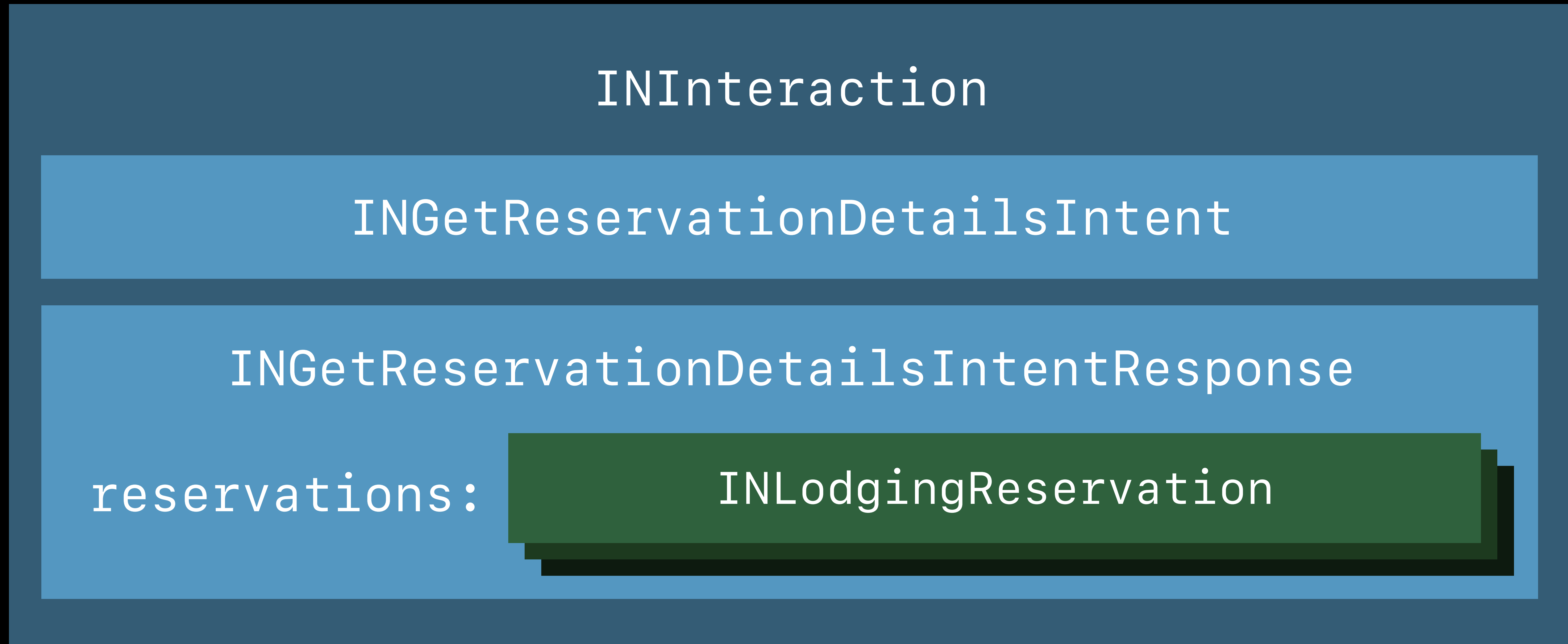




NEW



Your App

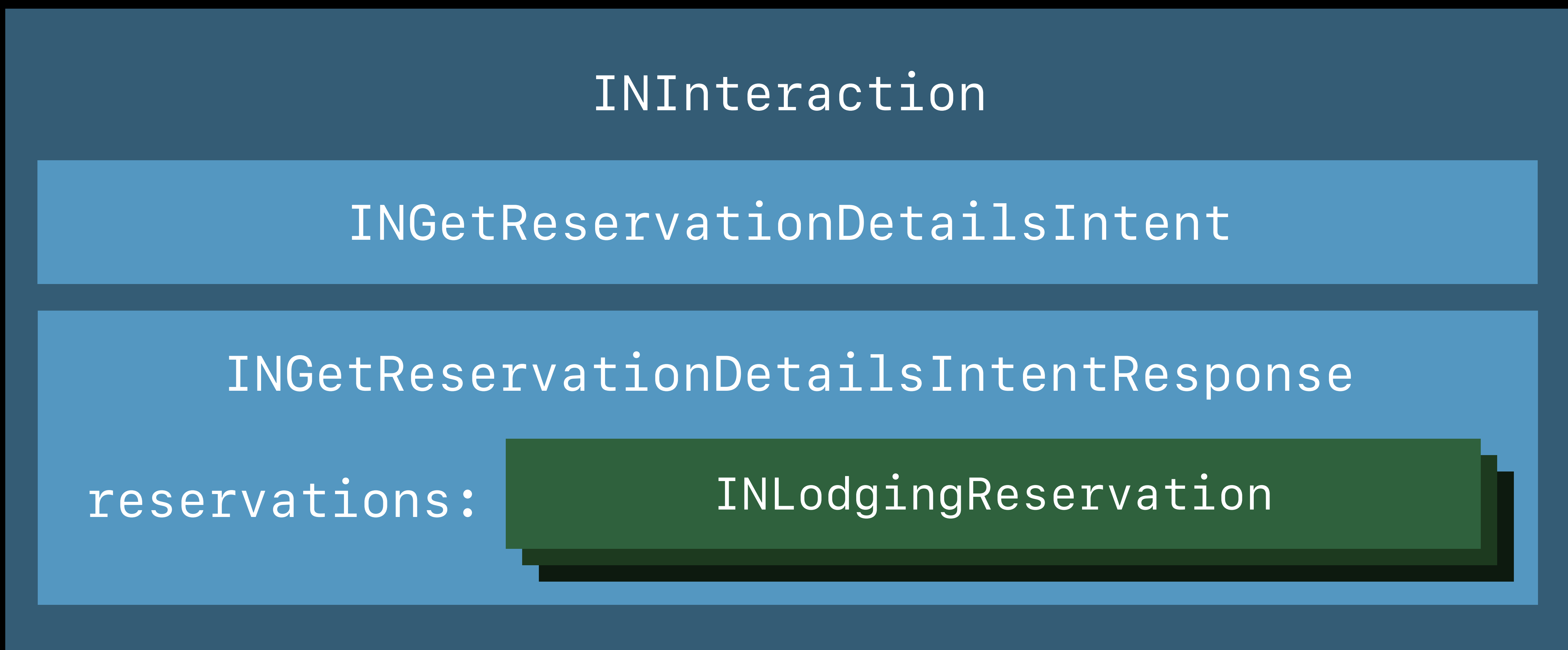




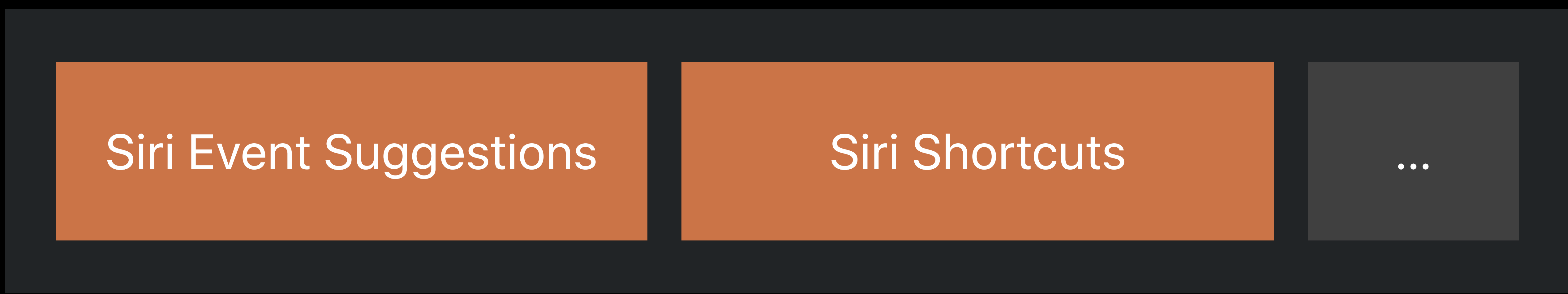
NEW



Your App



Donate





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**





Your app icon

Your app name

`NSUserActivity.title`



9:41 AM Mon Jun 3

100%

Search

Cancel

SIRI SUGGESTIONS



Settings



Reminders



Photos



Safari



Home



**Check in for flight XX 815**

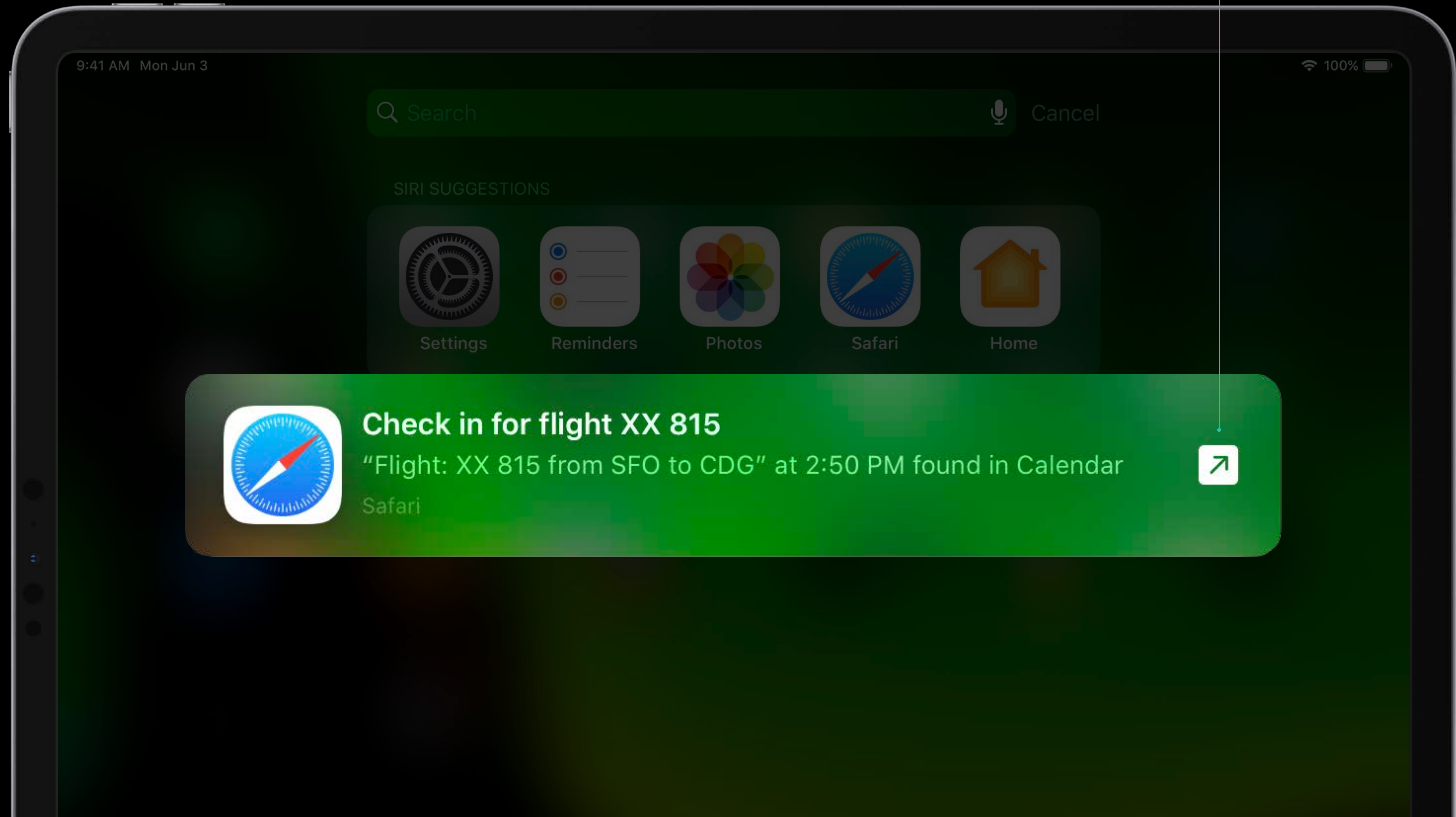
"Flight: XX 815 from SFO to CDG" at 2:50 PM found in Calendar

Safari





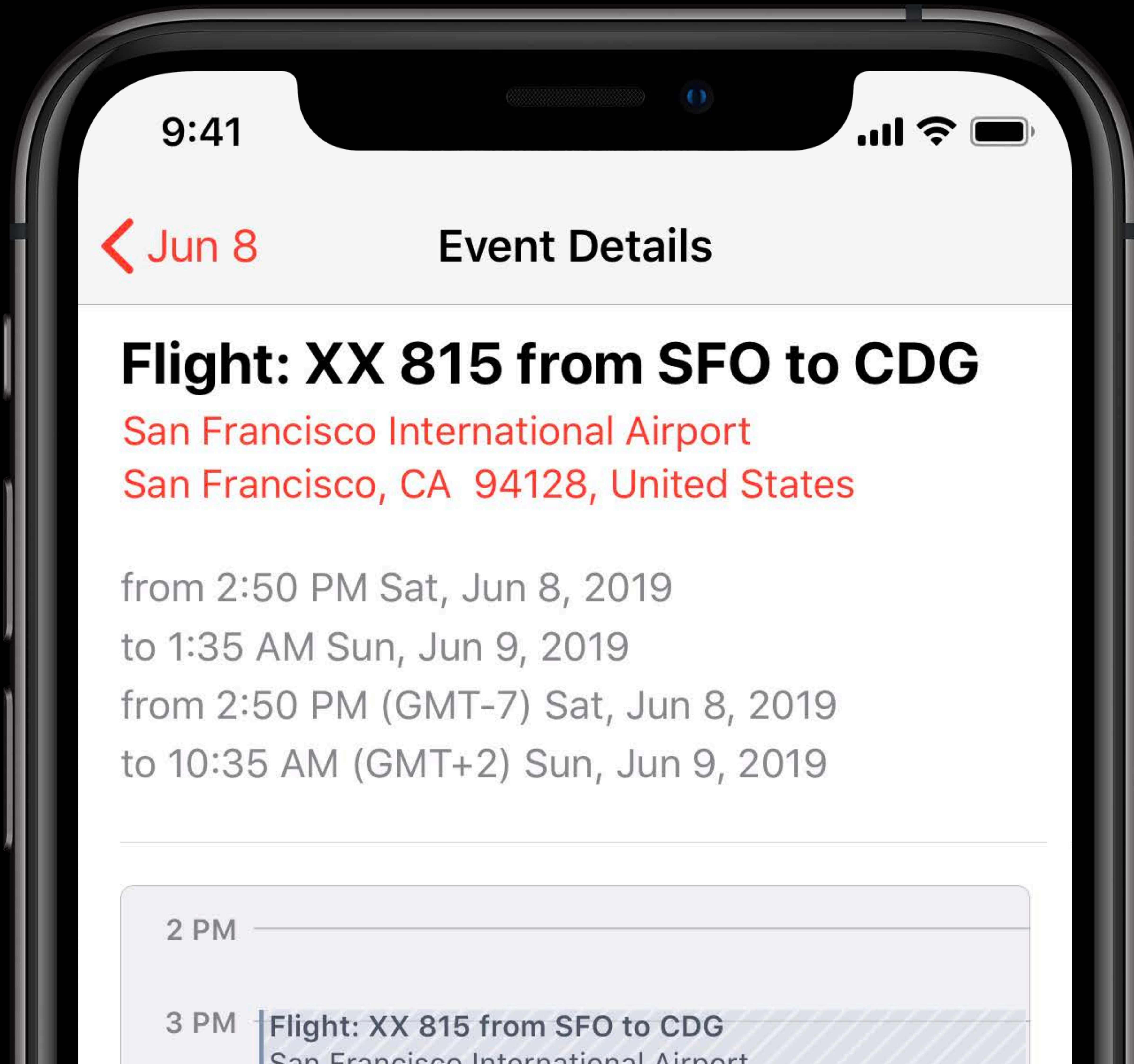
`NSUserActivity.webpageURL`





# Donating Reservations

Key concepts





# Donating Reservations

Key concepts

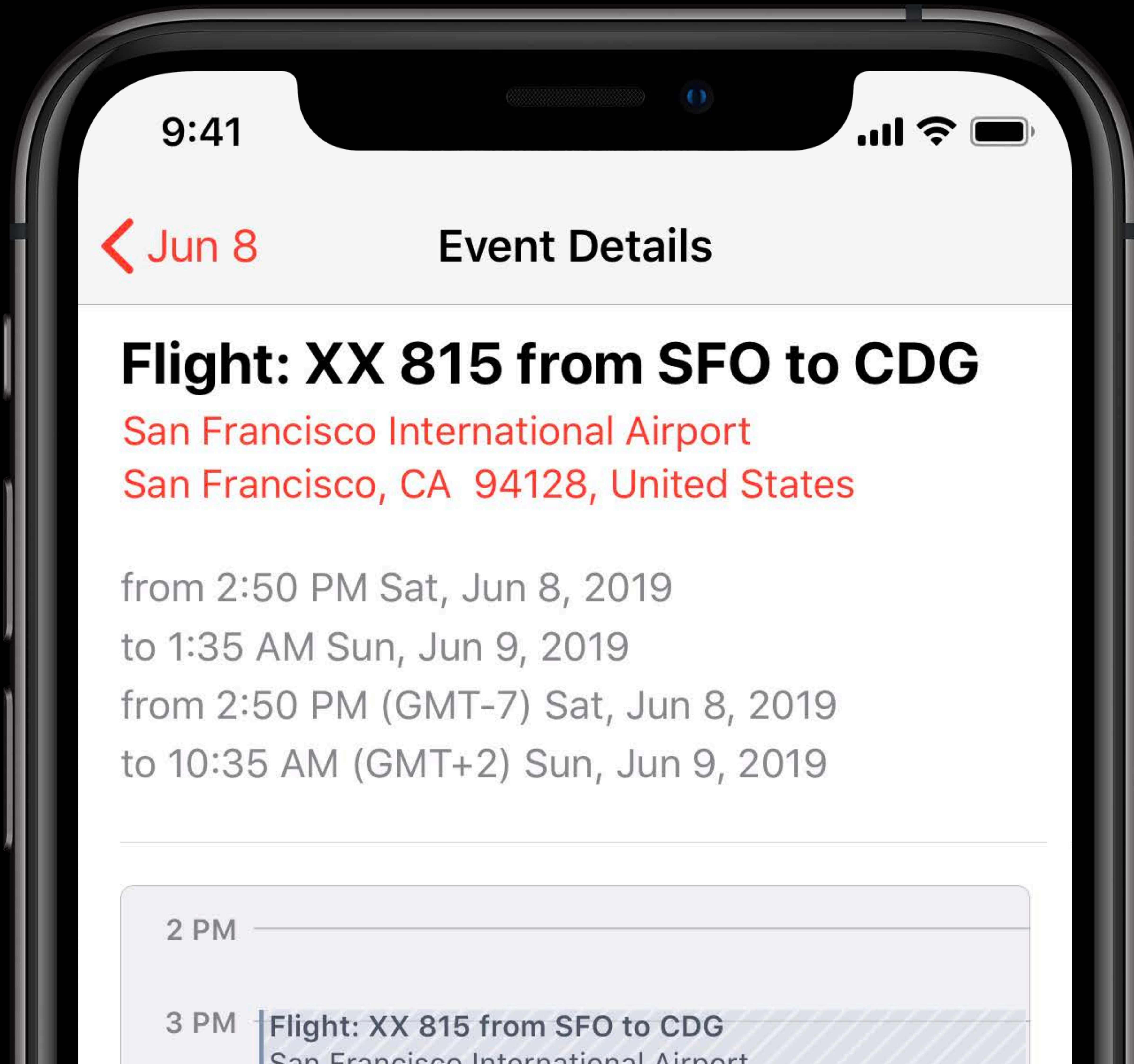


Title



# Donating Reservations

Key concepts



9:41



< Jun 8

Event Details

## 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

2 PM

3 PM Flight: XX 815 from SFO to CDG  
San Francisco International Airport



# Donating Reservations

Key concepts



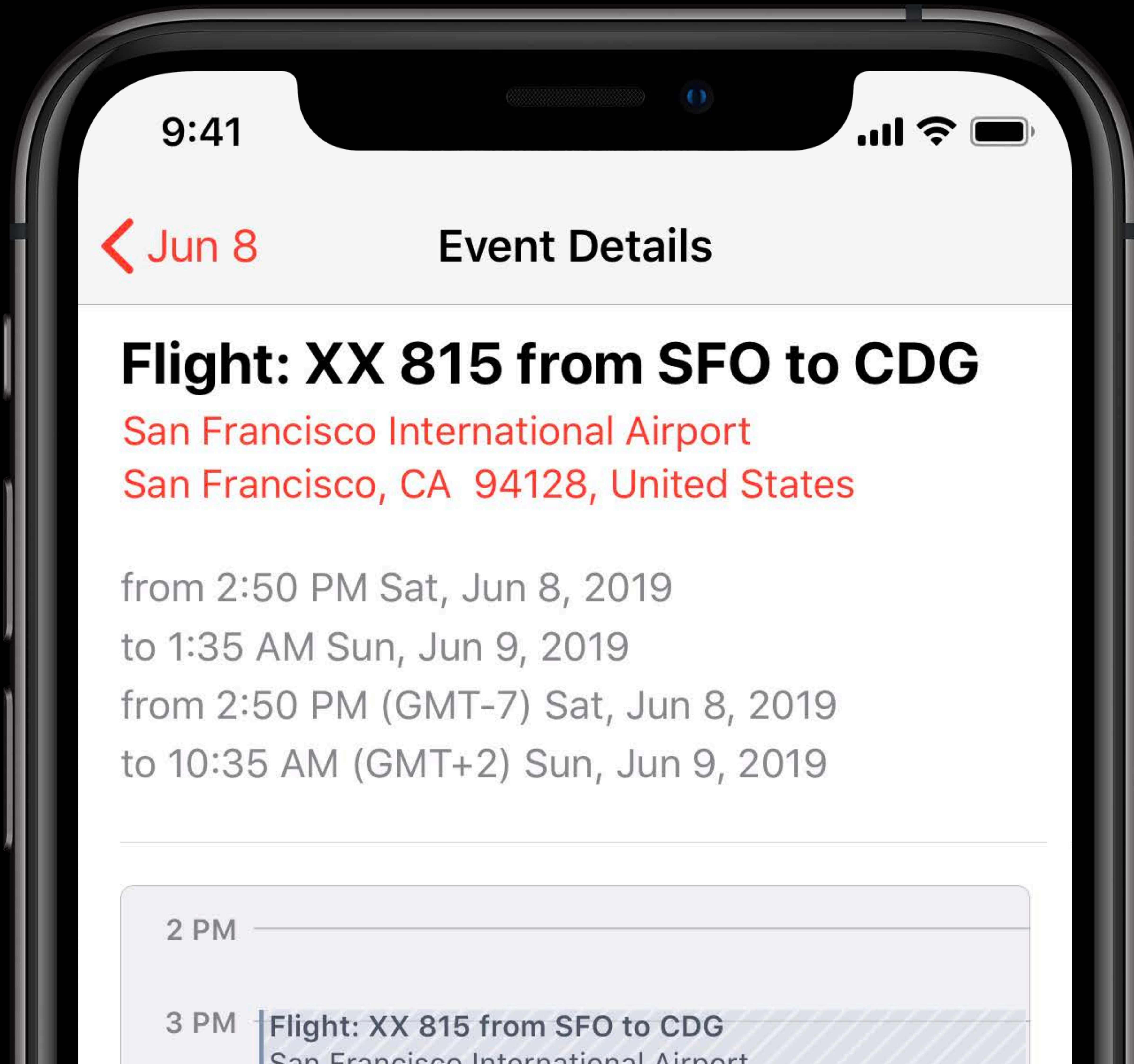
San Francisco International Airport  
San Francisco, CA 94128, United States

Location



# Donating Reservations

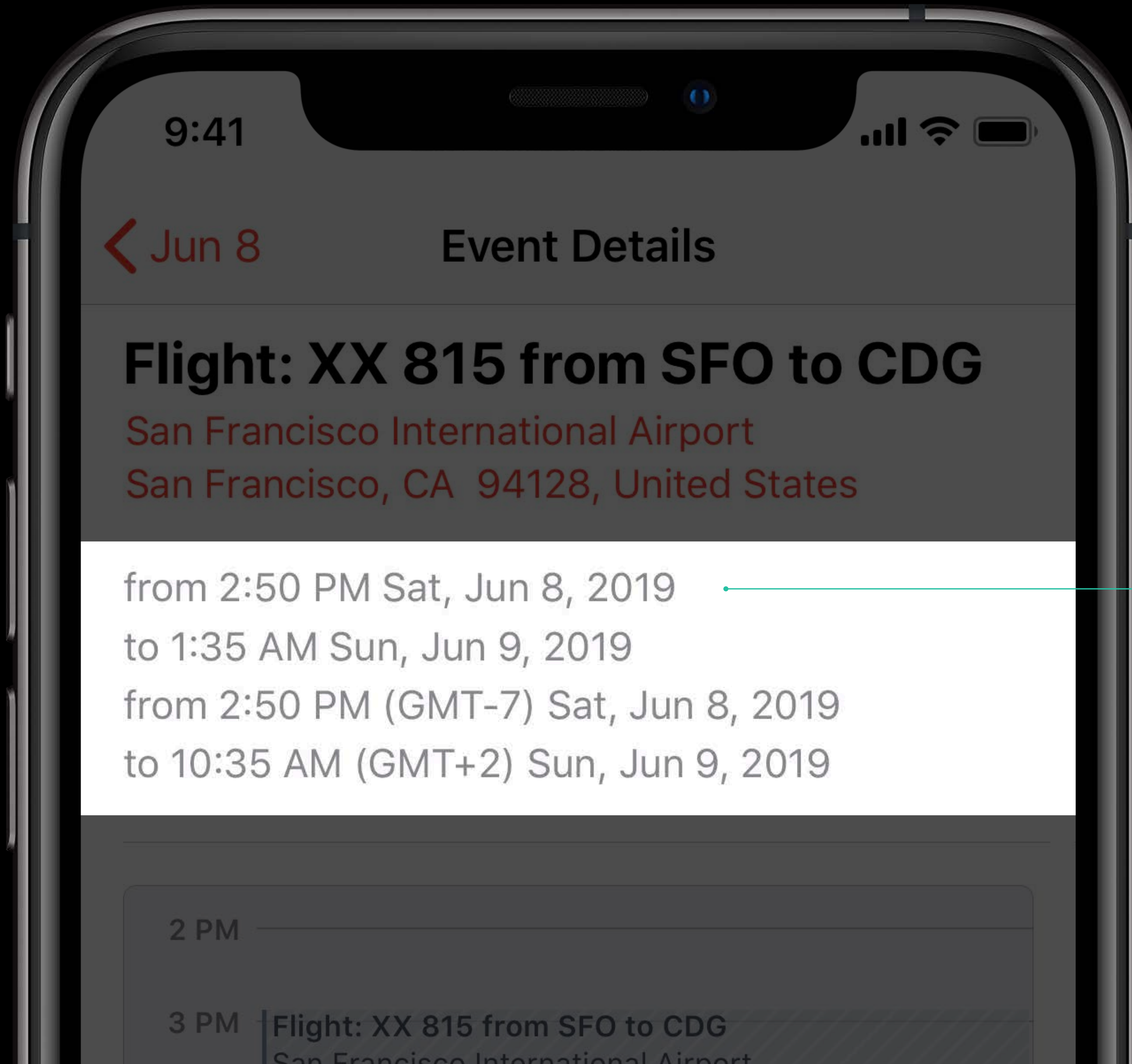
Key concepts





# Donating Reservations

Key concepts

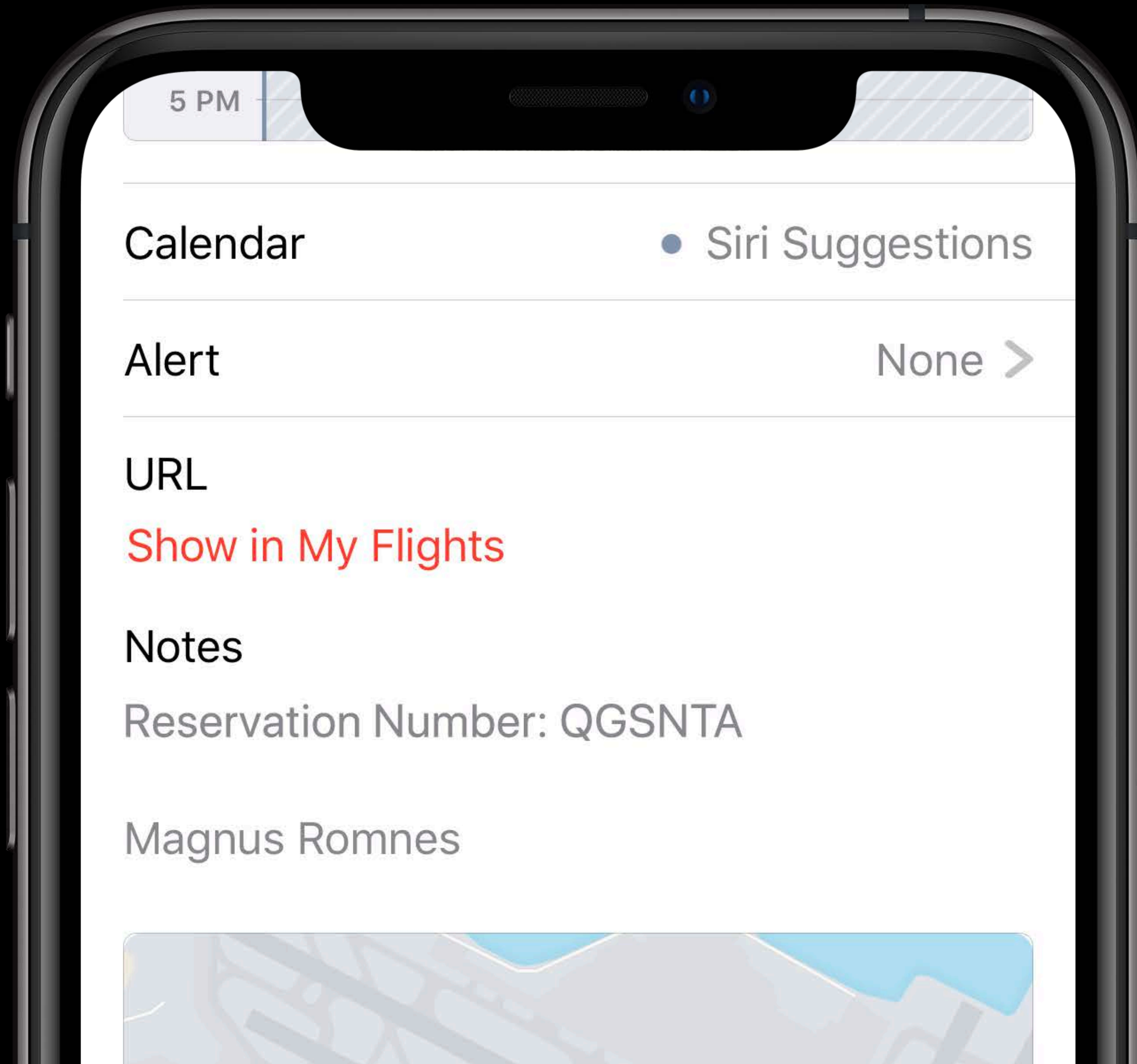


Time



# Donating Reservations

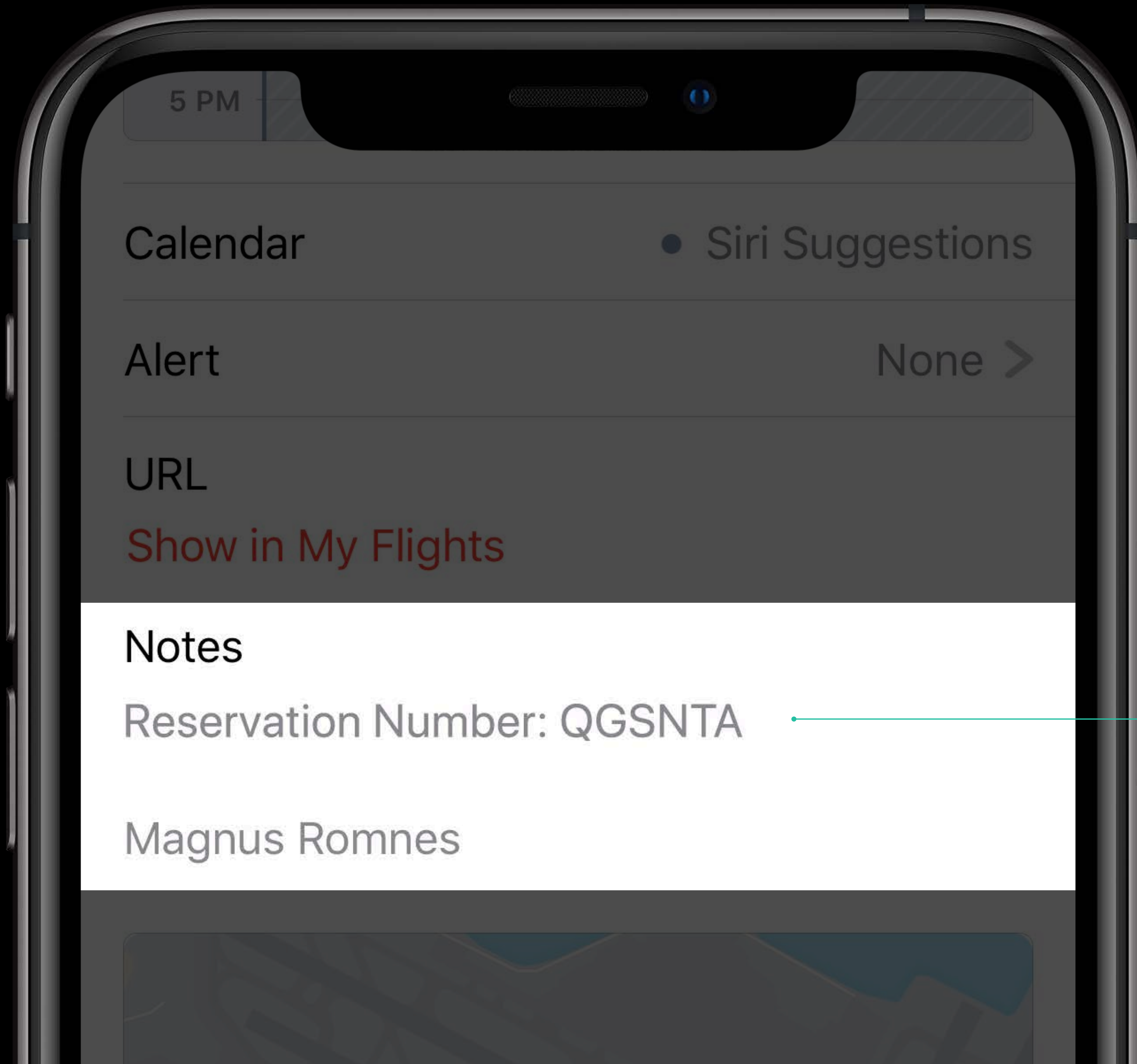
Key concepts





# Donating Reservations

Key concepts



5 PM

Calendar

• Siri Suggestions

Alert

None >

URL

Show in My Flights

Notes

Reservation Number: QGSNTA

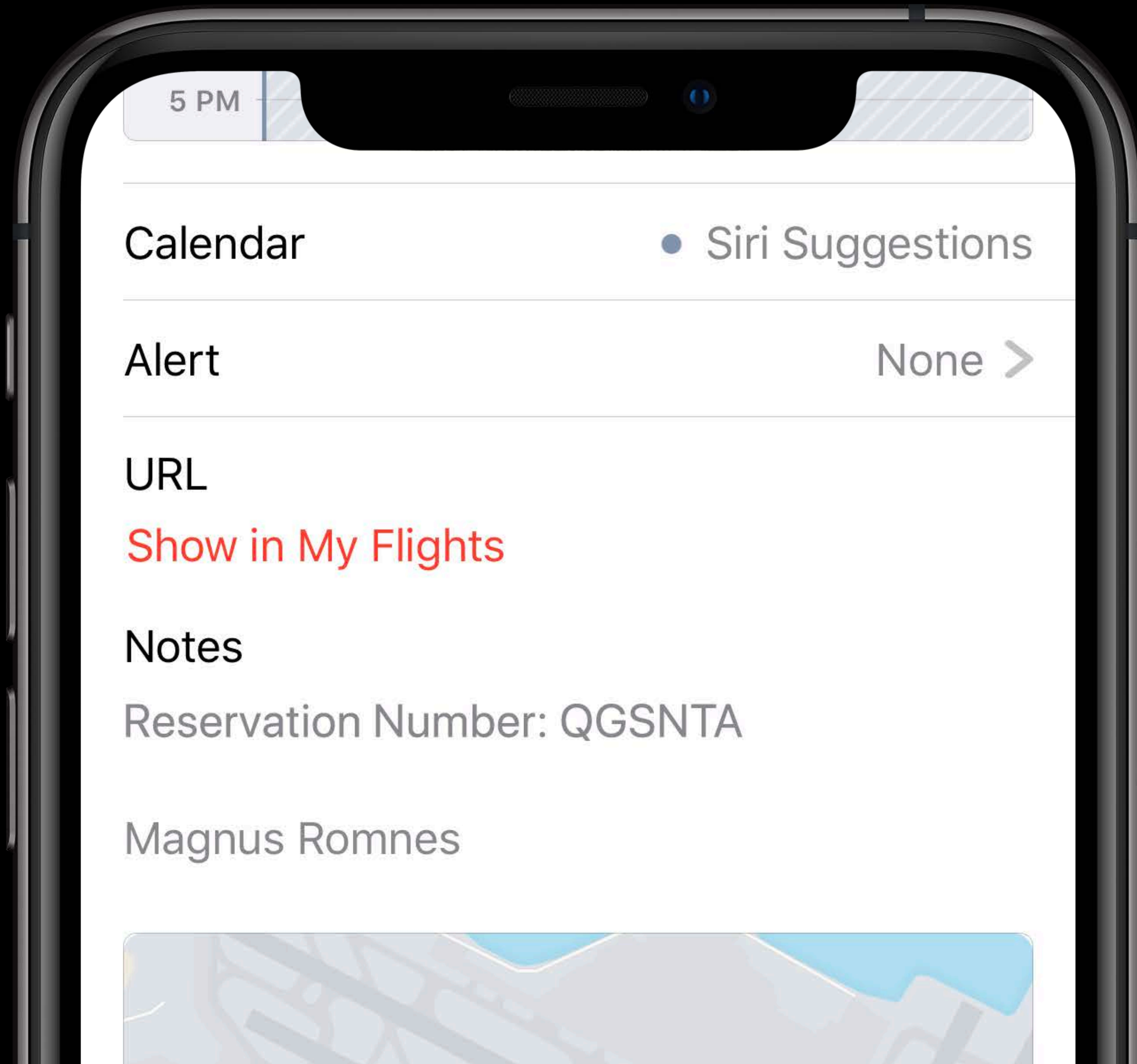
Magnus Romnes

Notes



# Donating Reservations

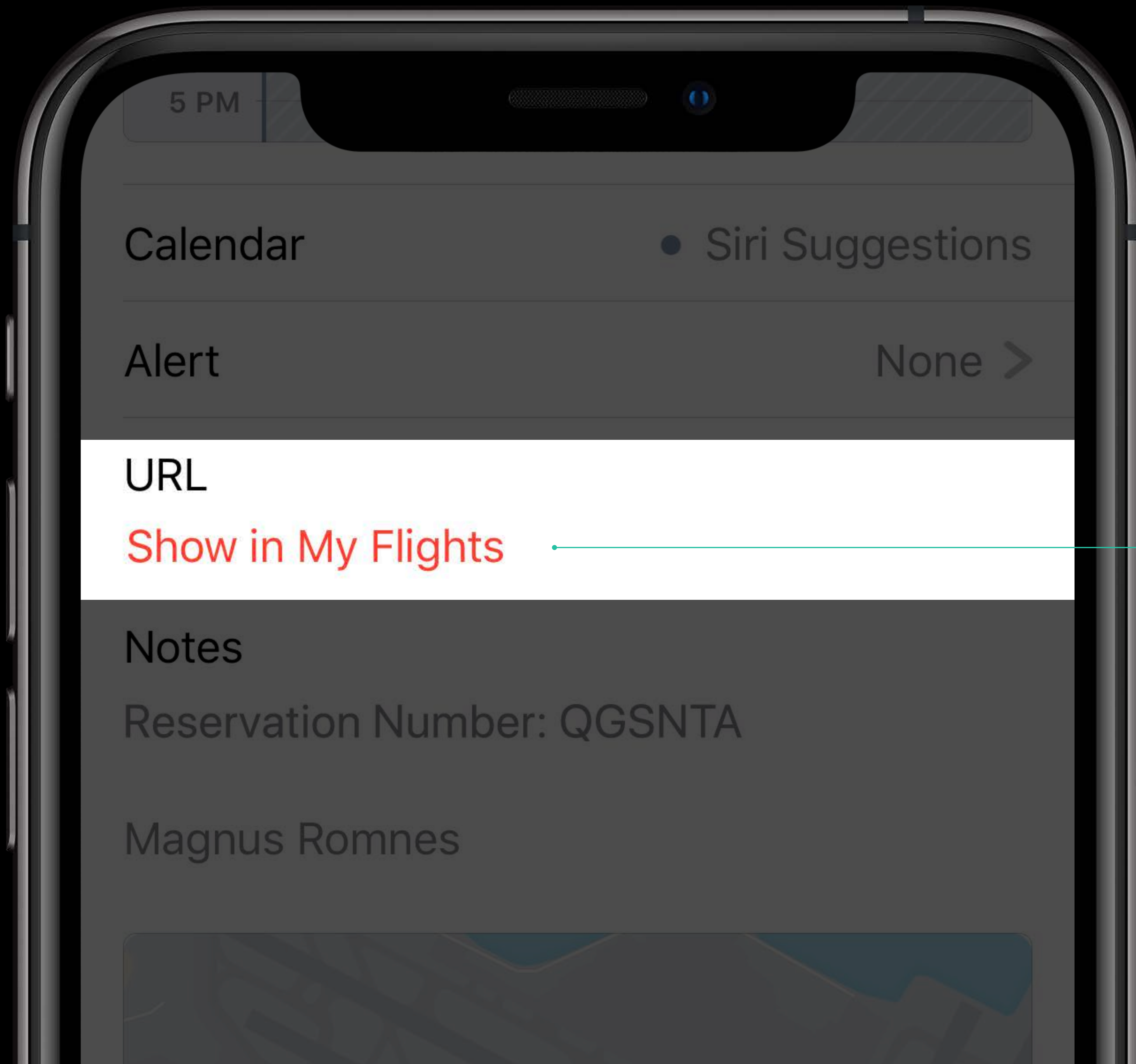
Key concepts





# Donating Reservations

Key concepts



Opens reservation in app



# Donating Reservations

Key concepts



# Donating Reservations

Key concepts

```
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:  
reservationItemReferences:
```

### 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:
```

### 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



Your App

Donate



INInteraction

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

```
INGetReservationDetailsIntent
```

```
reservationContainerReference:
```

```
reservationItemReferences:
```



# Donating Reservations

## Key concepts

```
INGetReservationDetailsIntent
```

```
reservationContainerReference: B9C8
```

```
reservationItemReferences:
```



# Donating Reservations

## Key concepts

```
INGetReservationDetailsIntent
```

```
reservationContainerReference: B9C8
```

```
reservationItemReferences: [B9C8-XX815]
```



# Donating Reservations

## Key concepts





User makes reservation



User updates car drop off location

Concert venue changes

User cancels on website

User adds someone to reservation

Restaurant cancels reservation

Train is rescheduled

User makes reservation

User calls customer service

User returns car rental early

Flight is rescheduled

Reservation is on hold

Airline updates flight number

User selects a seat

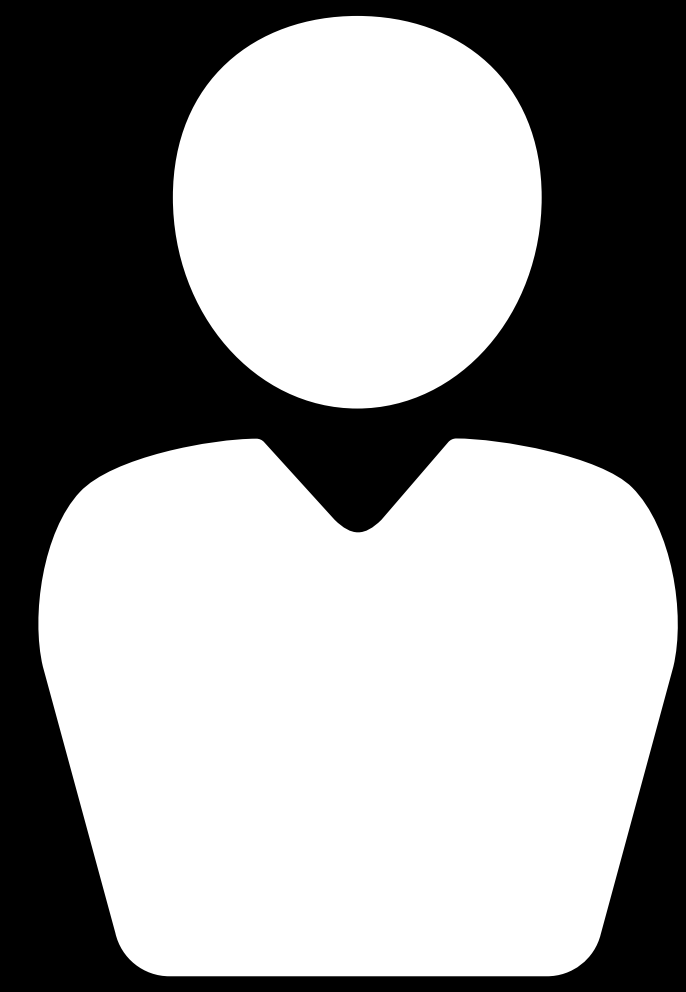
User reschedules reservation

User extends hotel stay



# Reservation Lifecycle

When to donate



Viewing



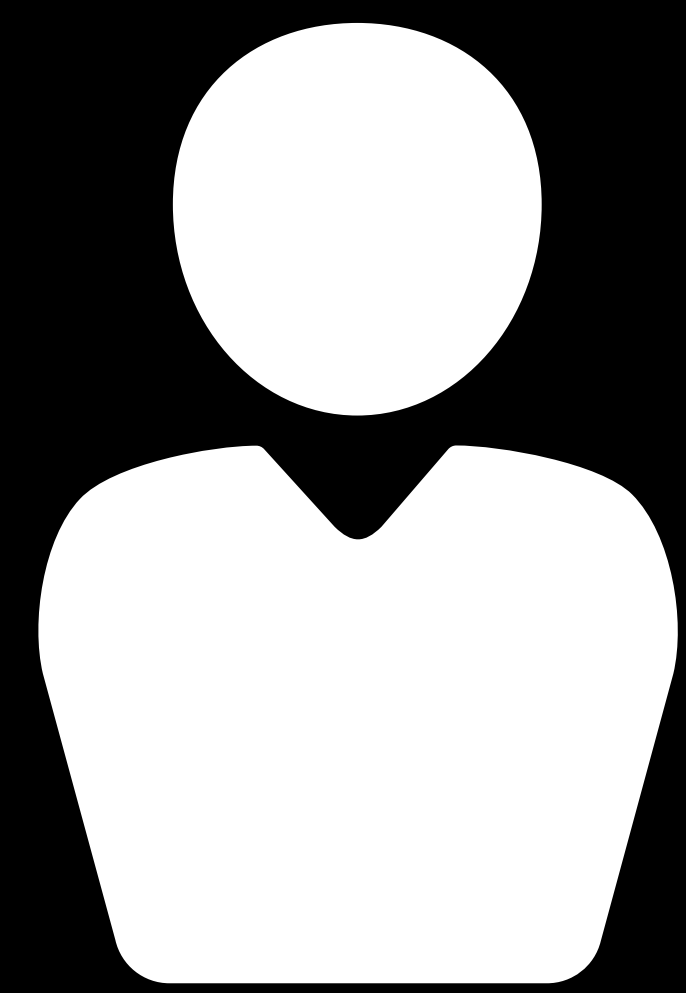


# Reservation Lifecycle

When to donate



INInteraction



Viewing



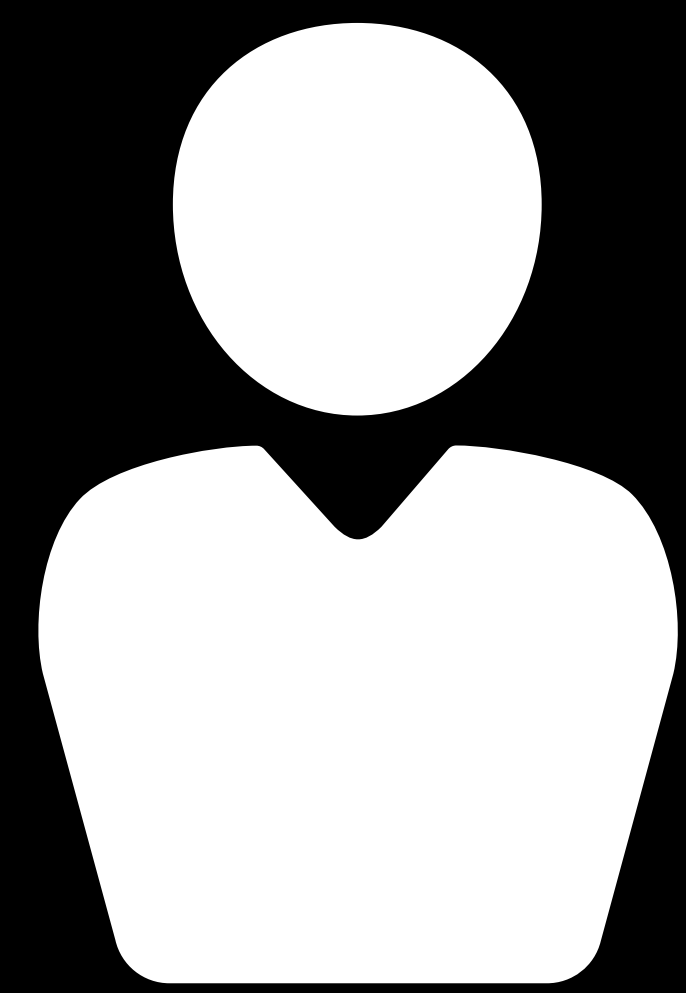


# Reservation Lifecycle

When to donate



INInteraction



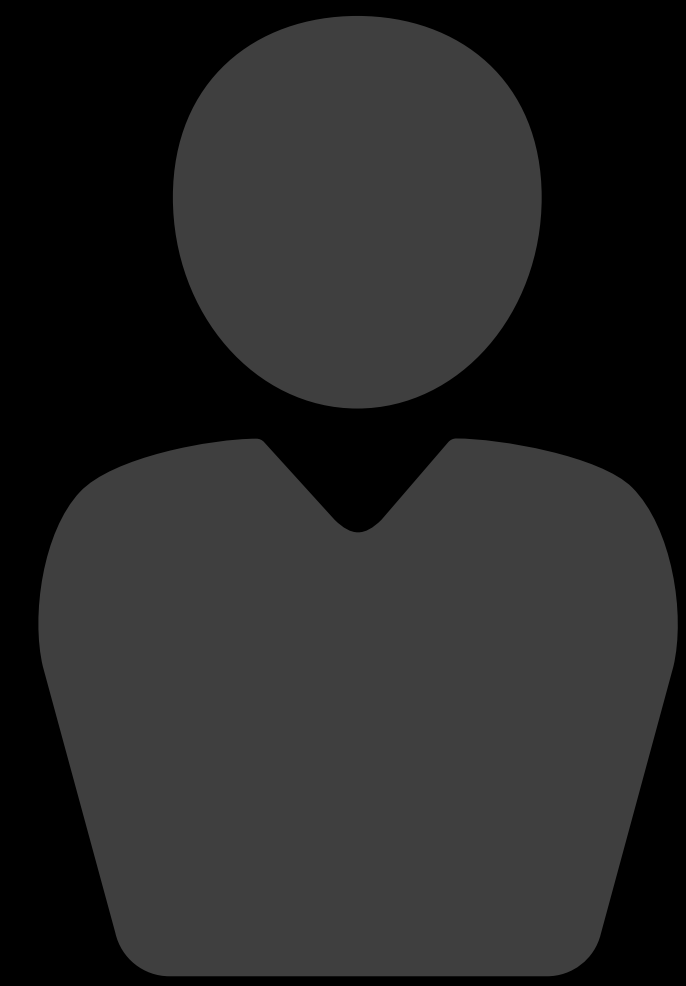
Viewing





# Reservation Lifecycle

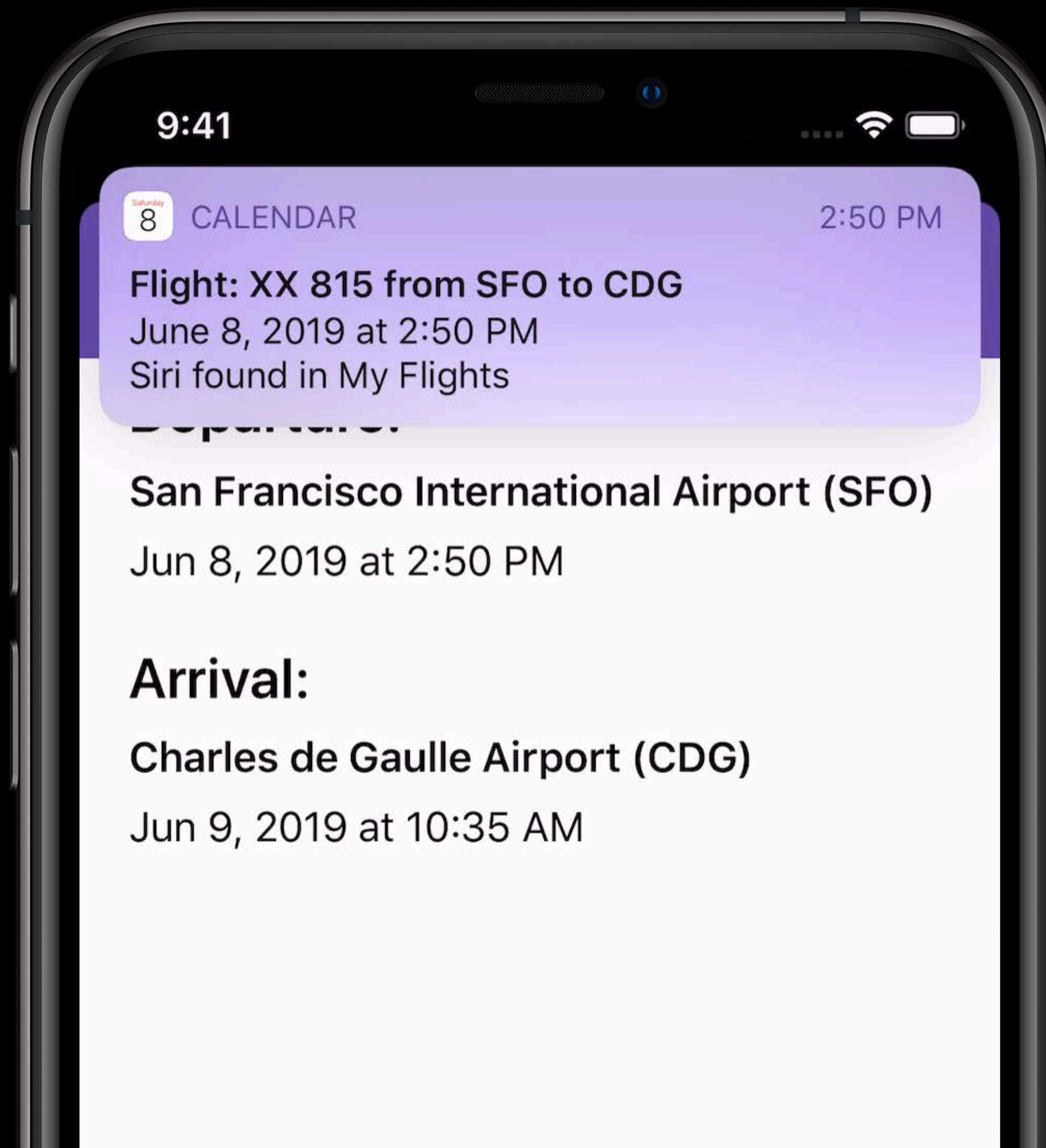
When to donate



Viewing



Updates



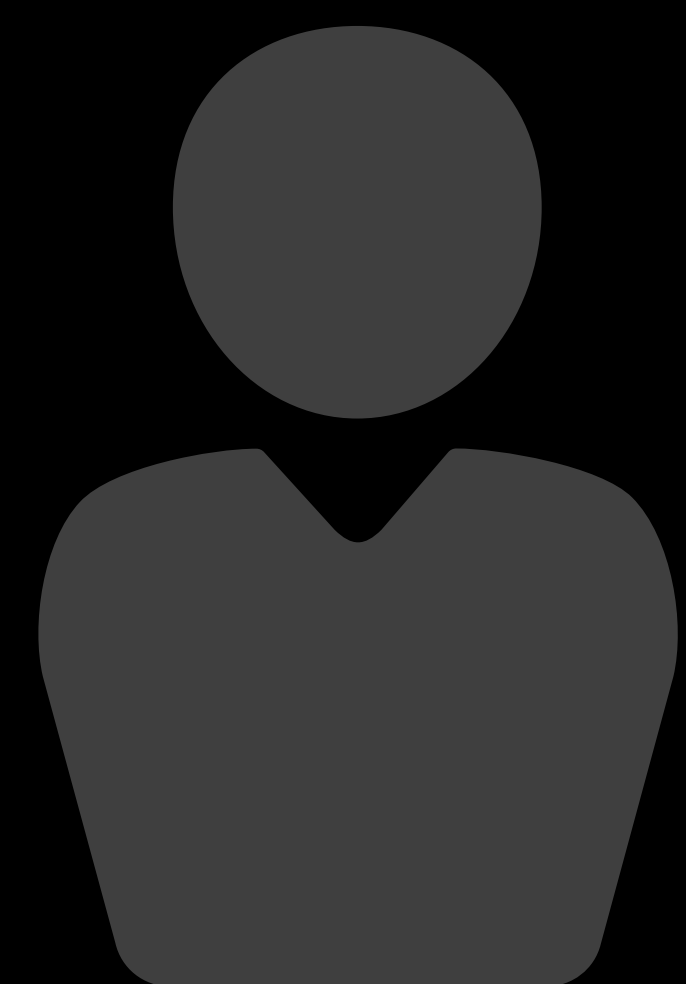


# Reservation Lifecycle

When to donate



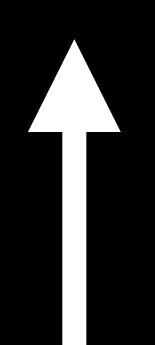
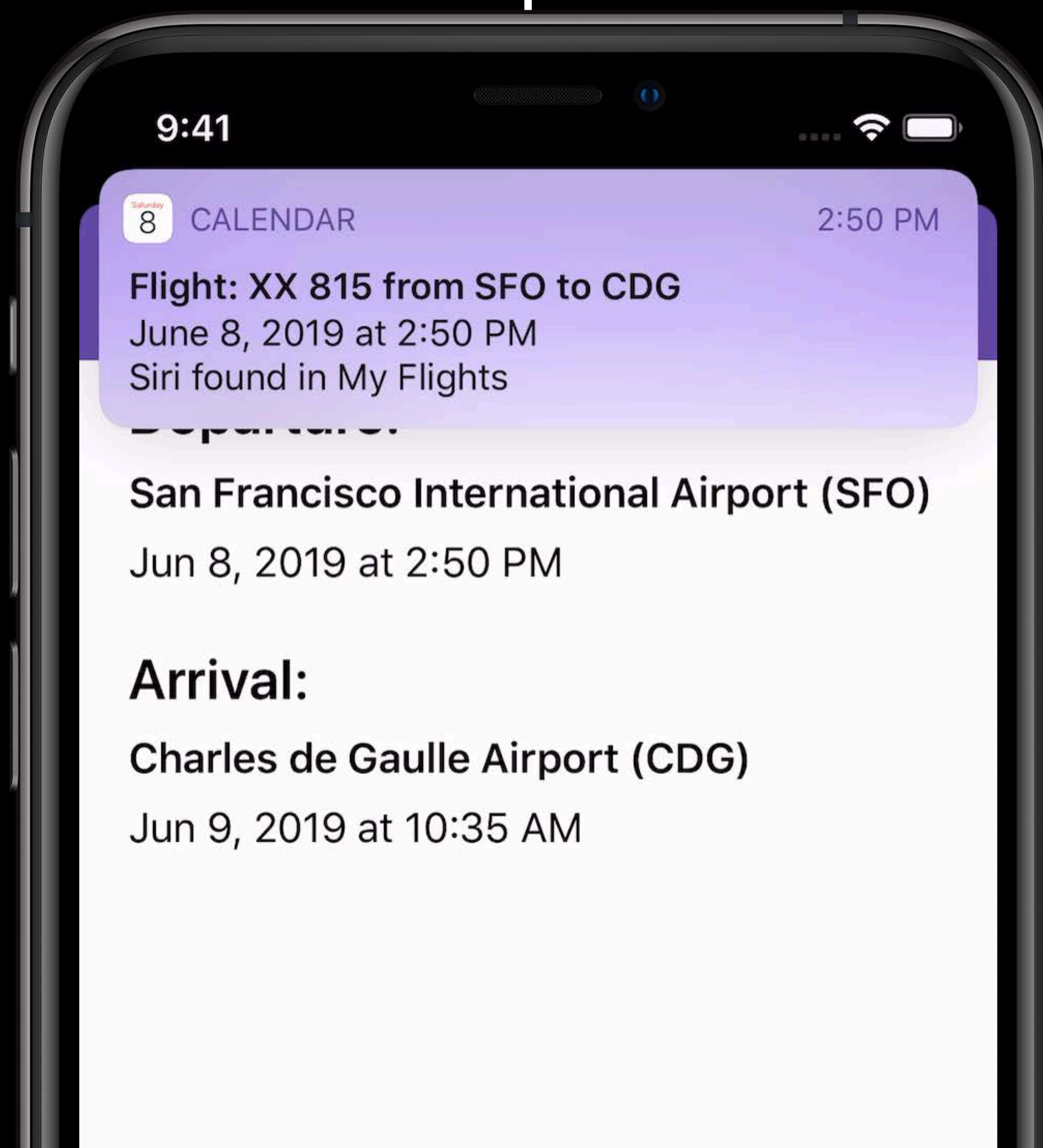
INInteraction



Viewing



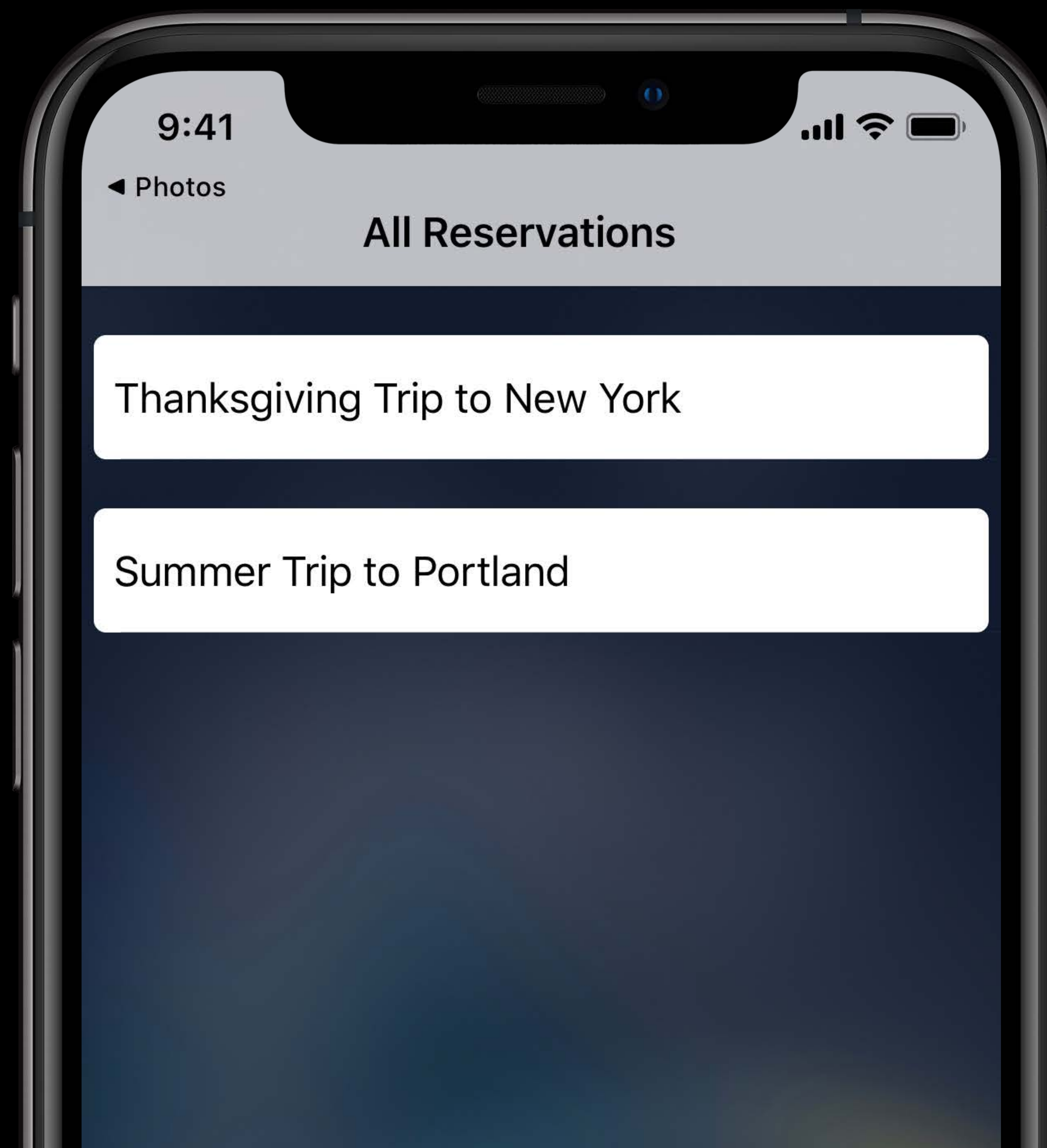
Updates





# Reservation Lifecycle

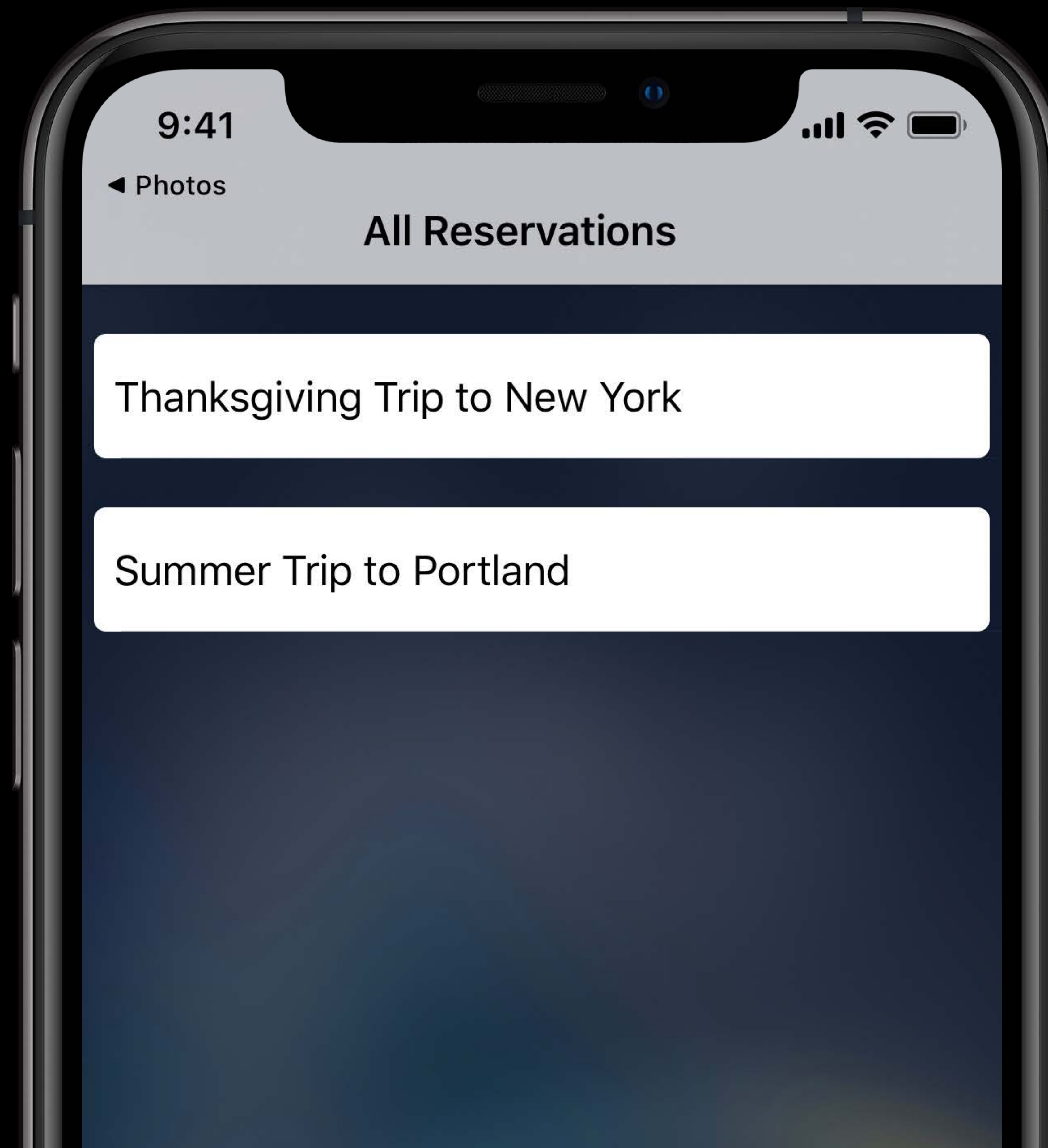
When not to donate





# Reservation Lifecycle

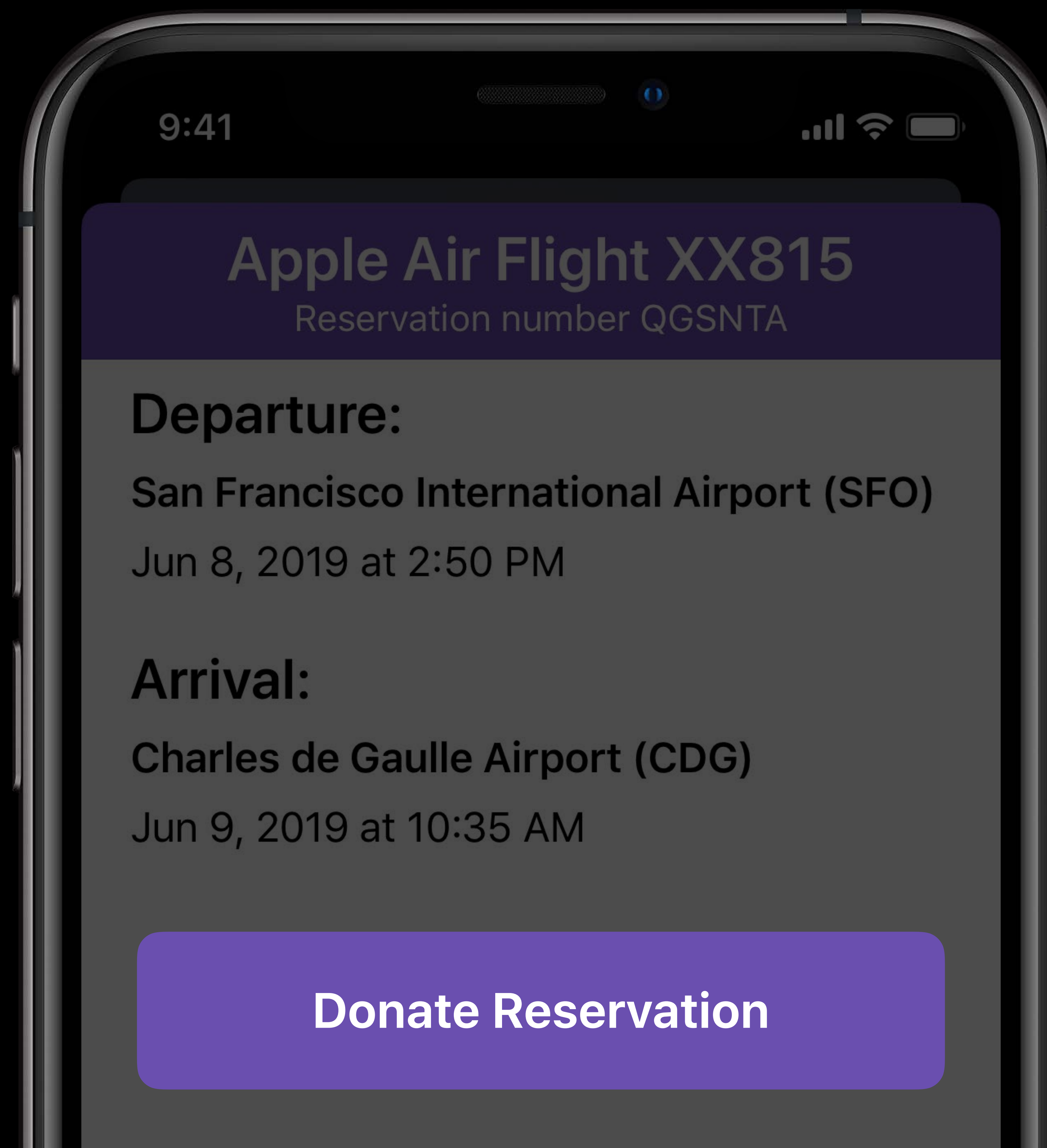
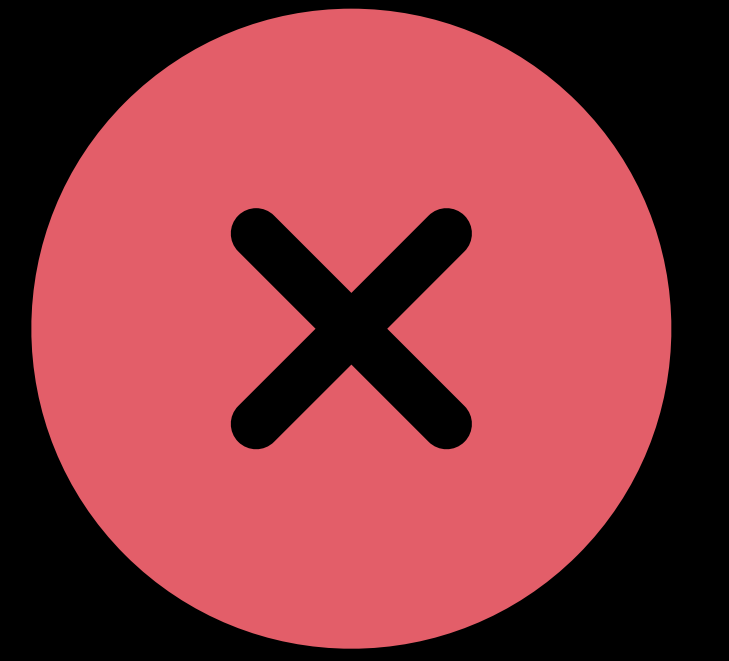
When not to donate





# Reservation Lifecycle

When not to donate





# Reservation Lifecycle

## Modifications



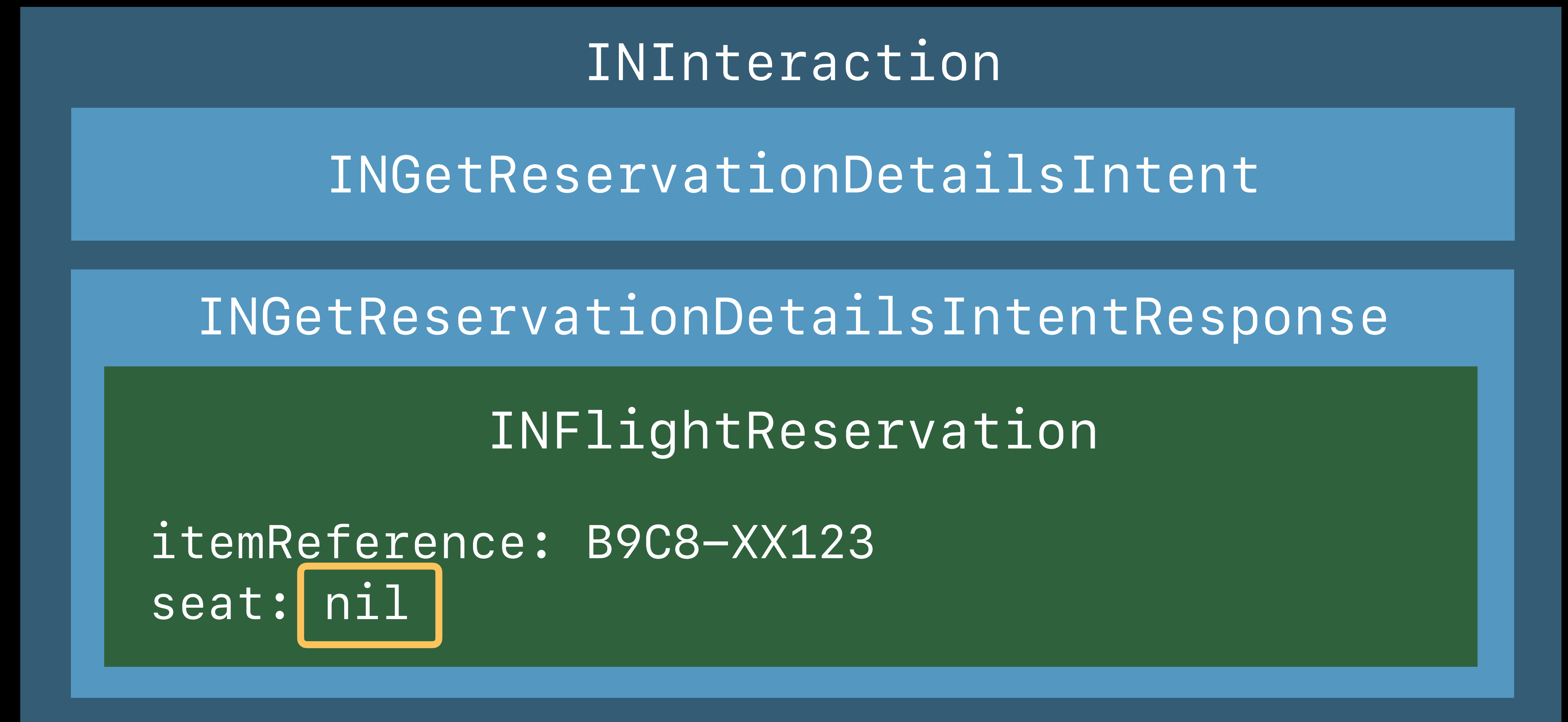


# Reservation Lifecycle

## Modifications



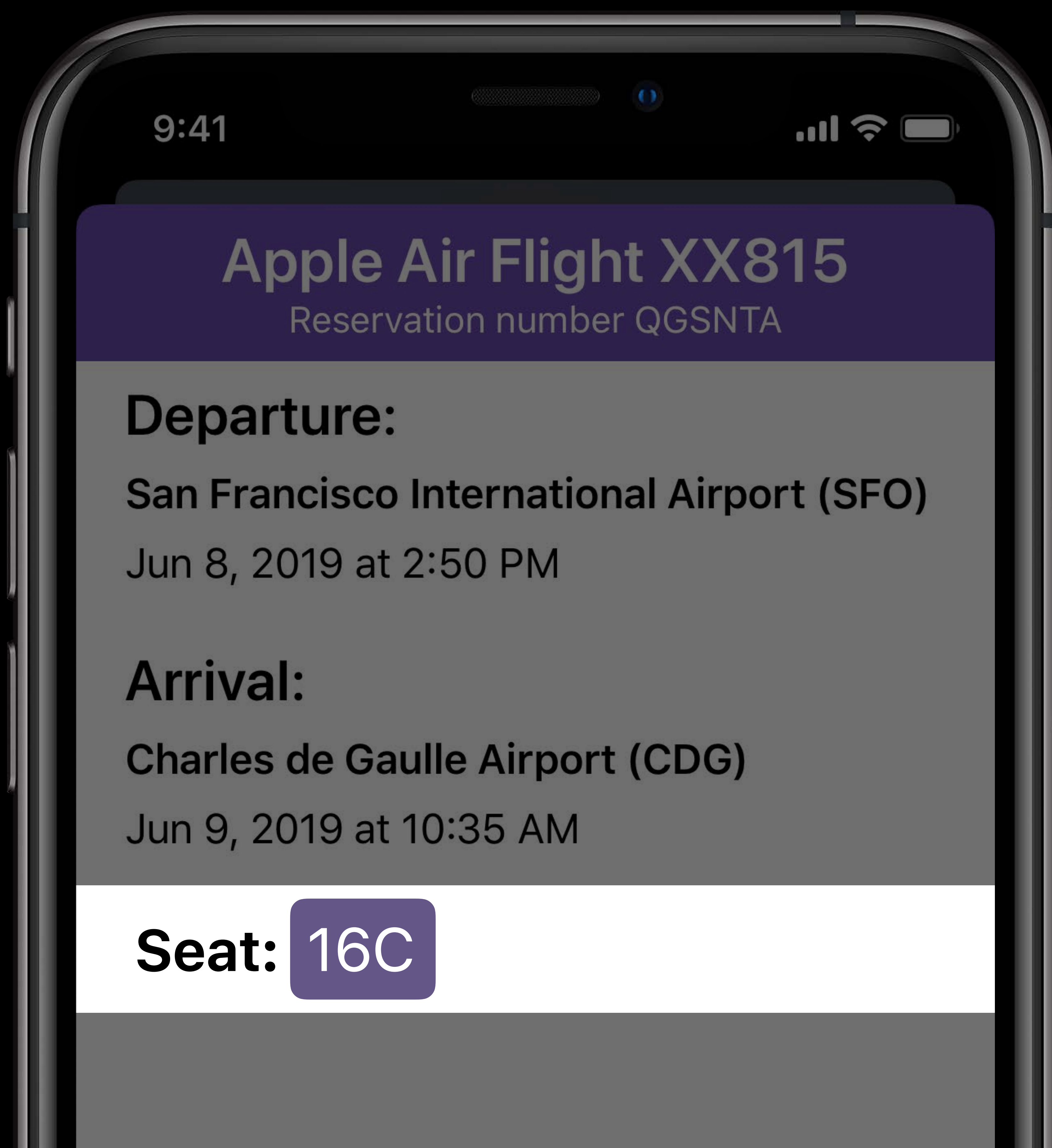
Donate





# Reservation Lifecycle

## Modifications



INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

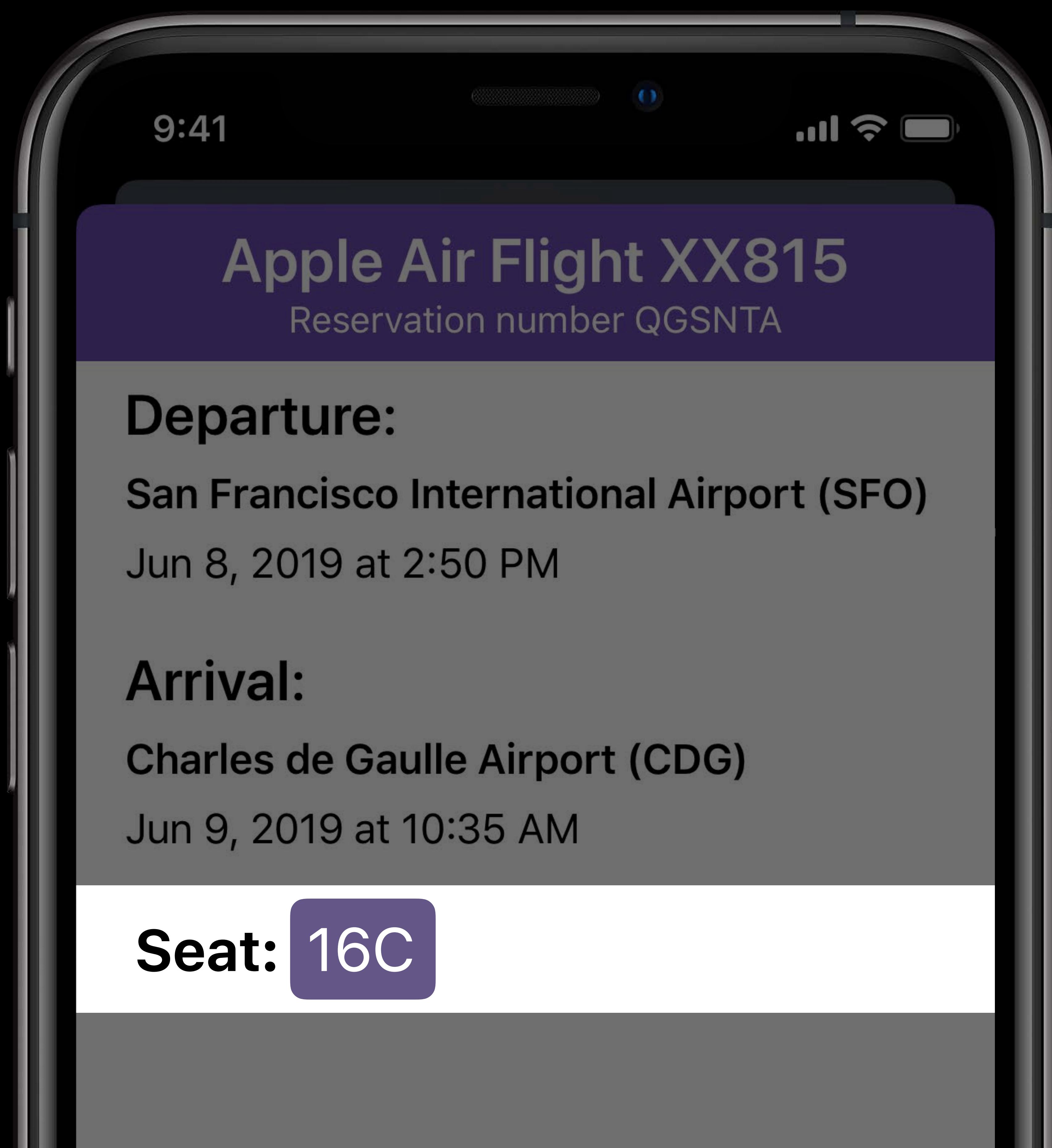
INFlightReservation

```
itemReference: B9C8-XX123  
seat: nil
```

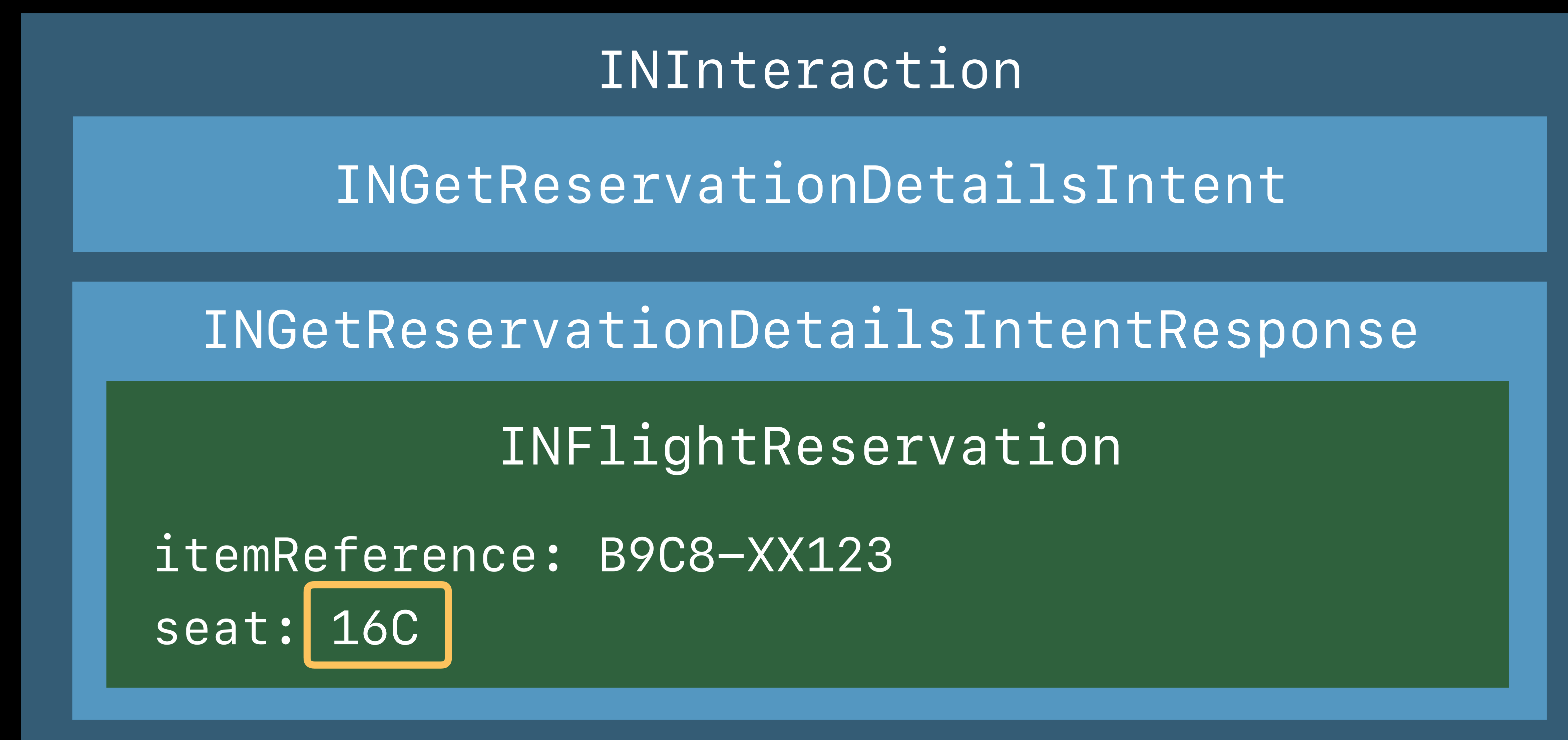
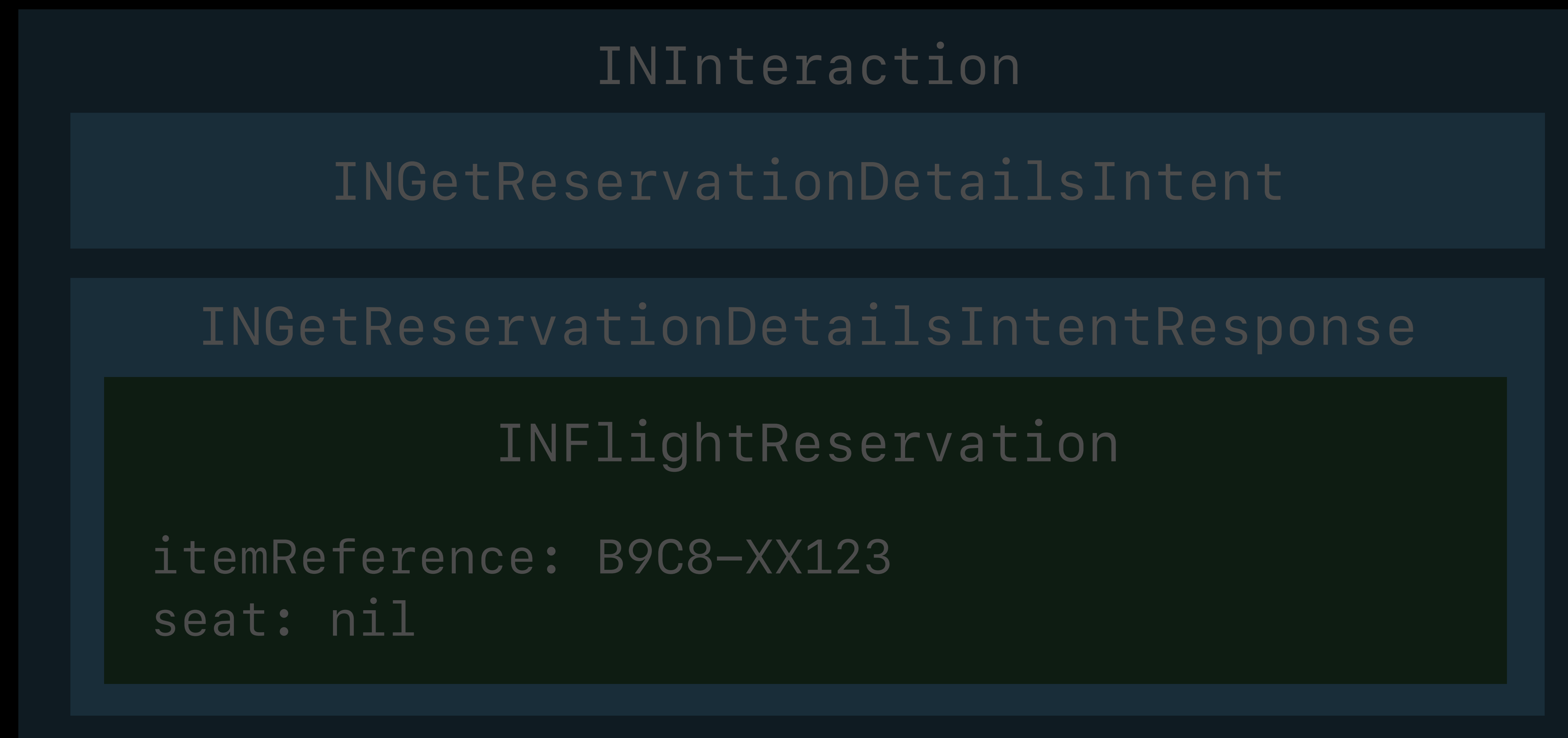


# Reservation Lifecycle

## Modifications



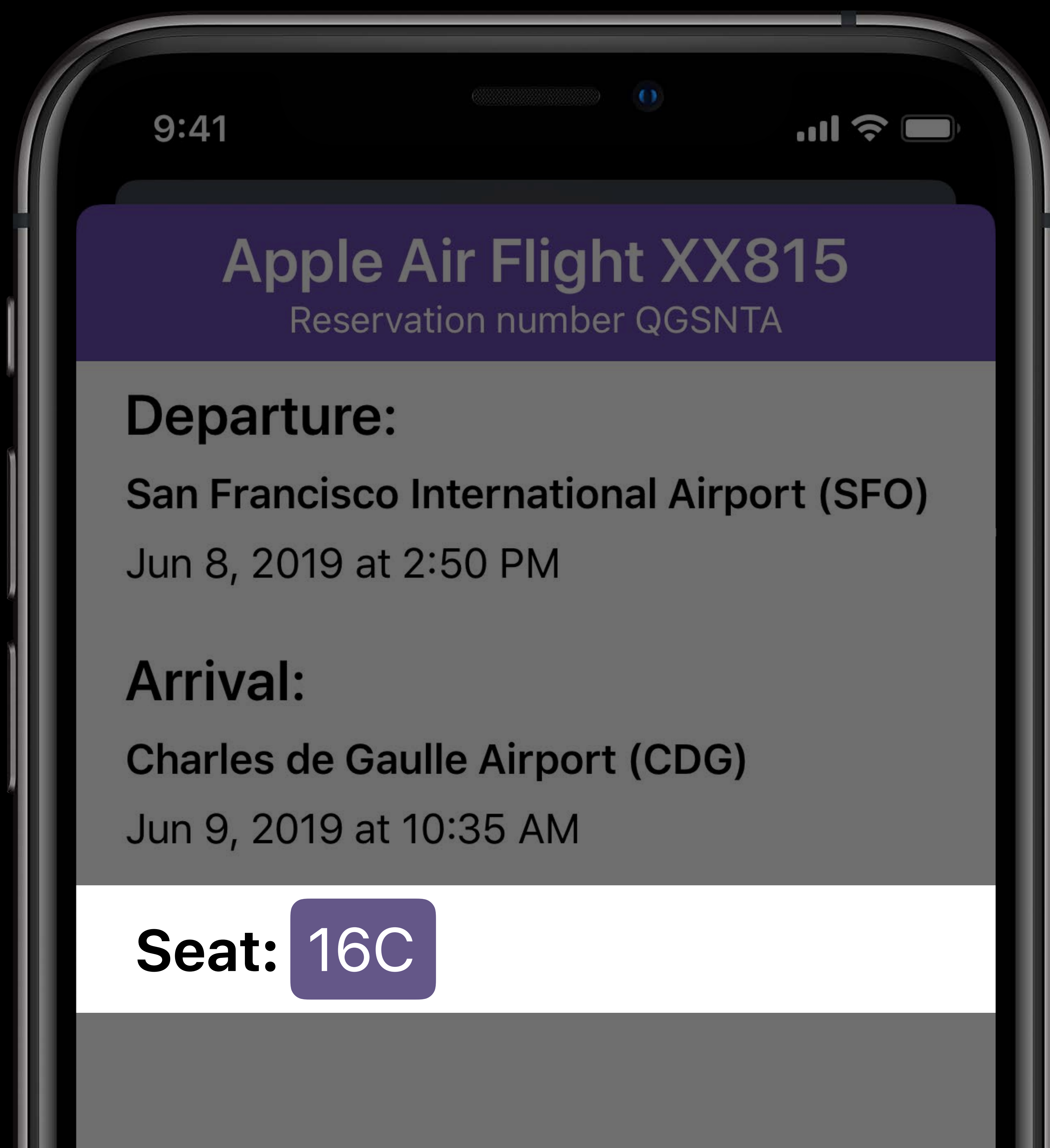
Donate →



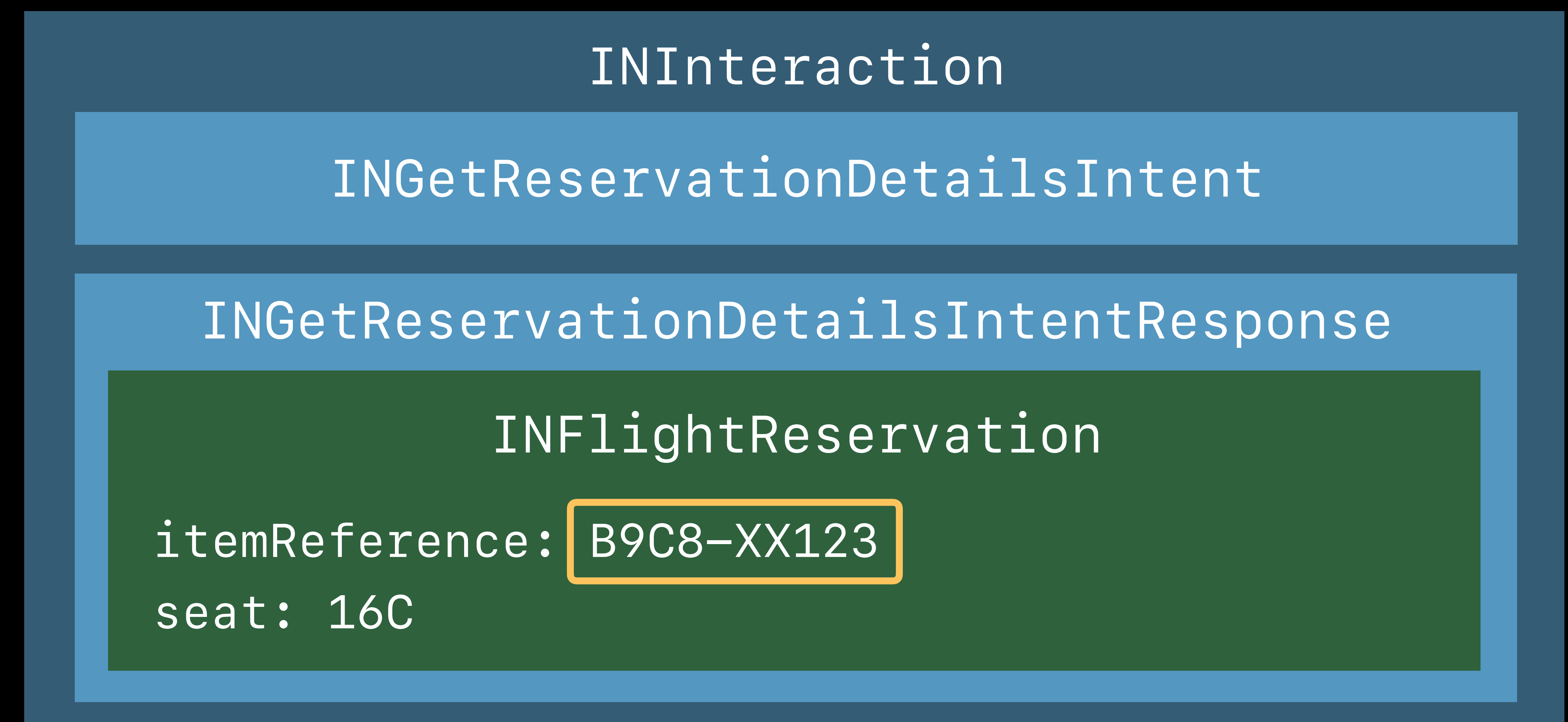
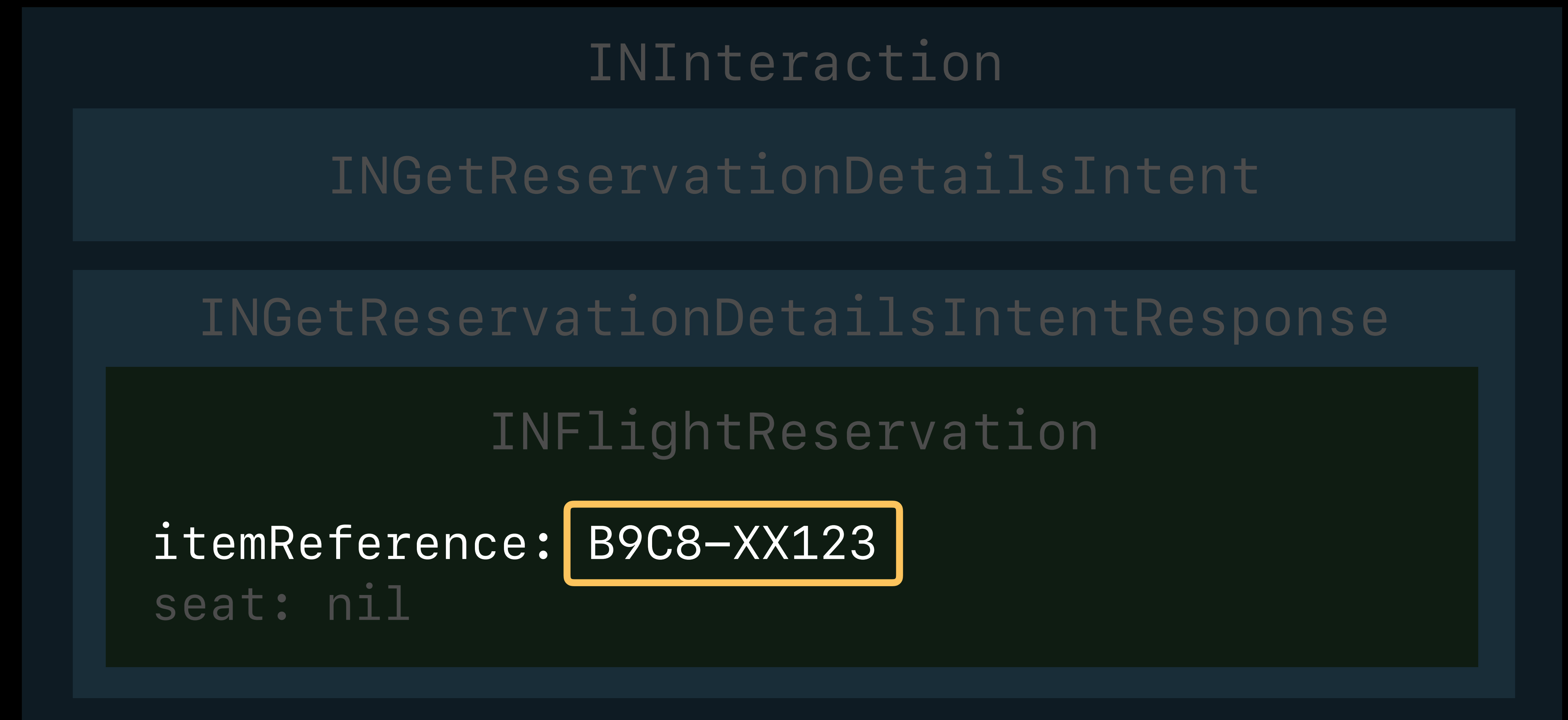


# Reservation Lifecycle

## Modifications



Donate →





# Reservation Lifecycle

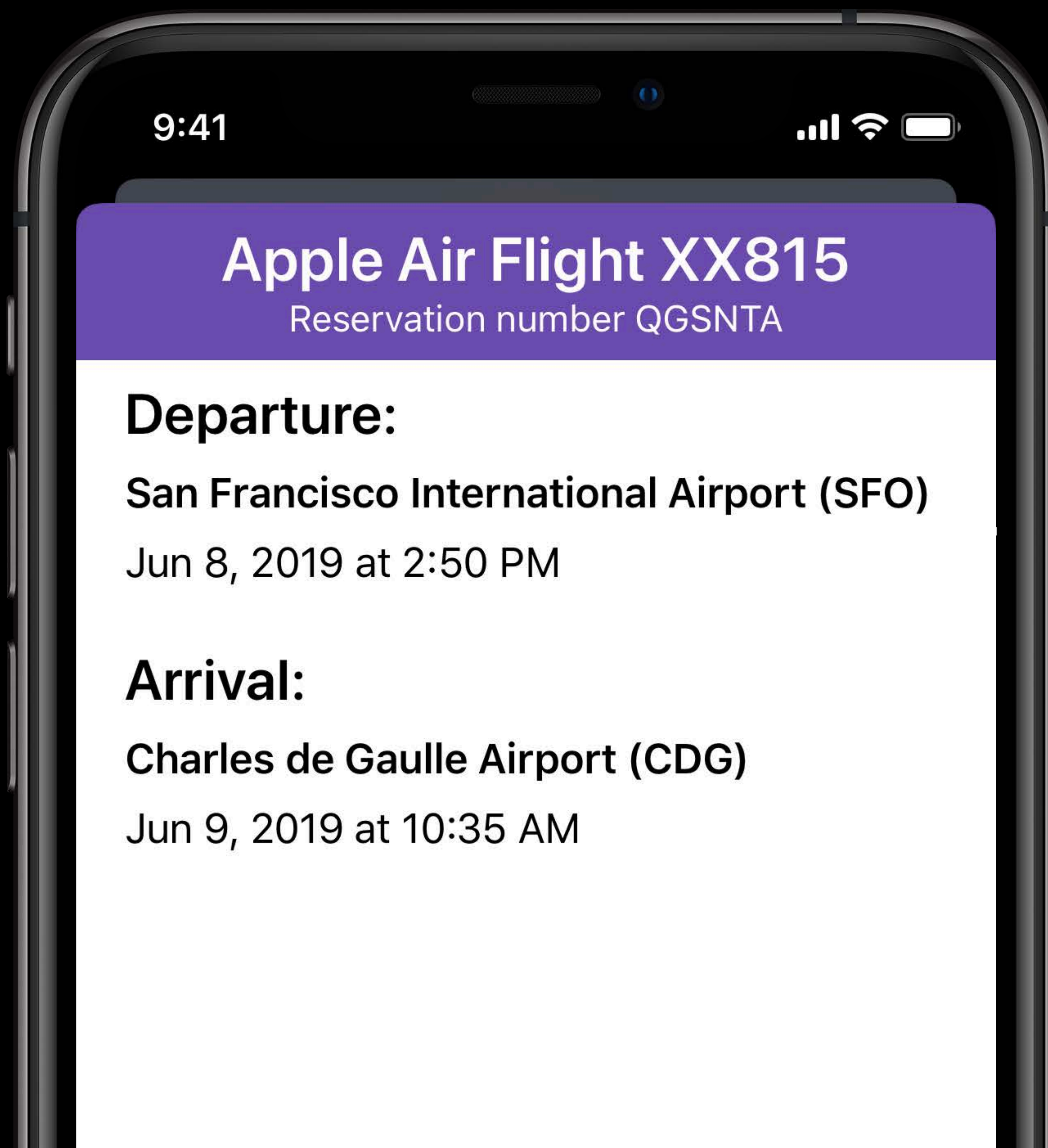
## Cancellations



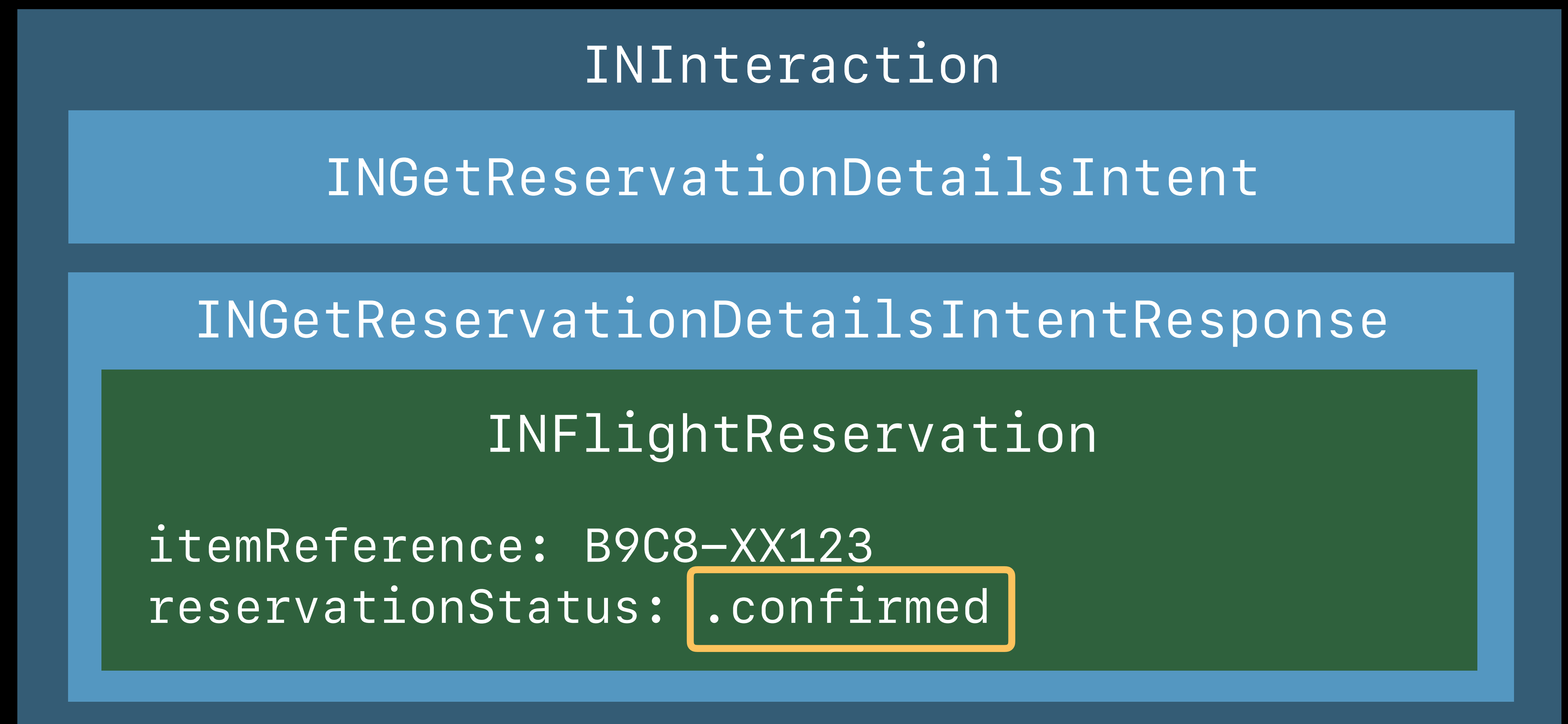


# Reservation Lifecycle

## Cancellations



Donate →





# Reservation Lifecycle

## Cancellations



INInteraction

INGetReservationDetailsIntent

INGetReservationDetailsIntentResponse

INFlightReservation

```
itemReference: B9C8-XX123  
reservationStatus: .confirmed
```

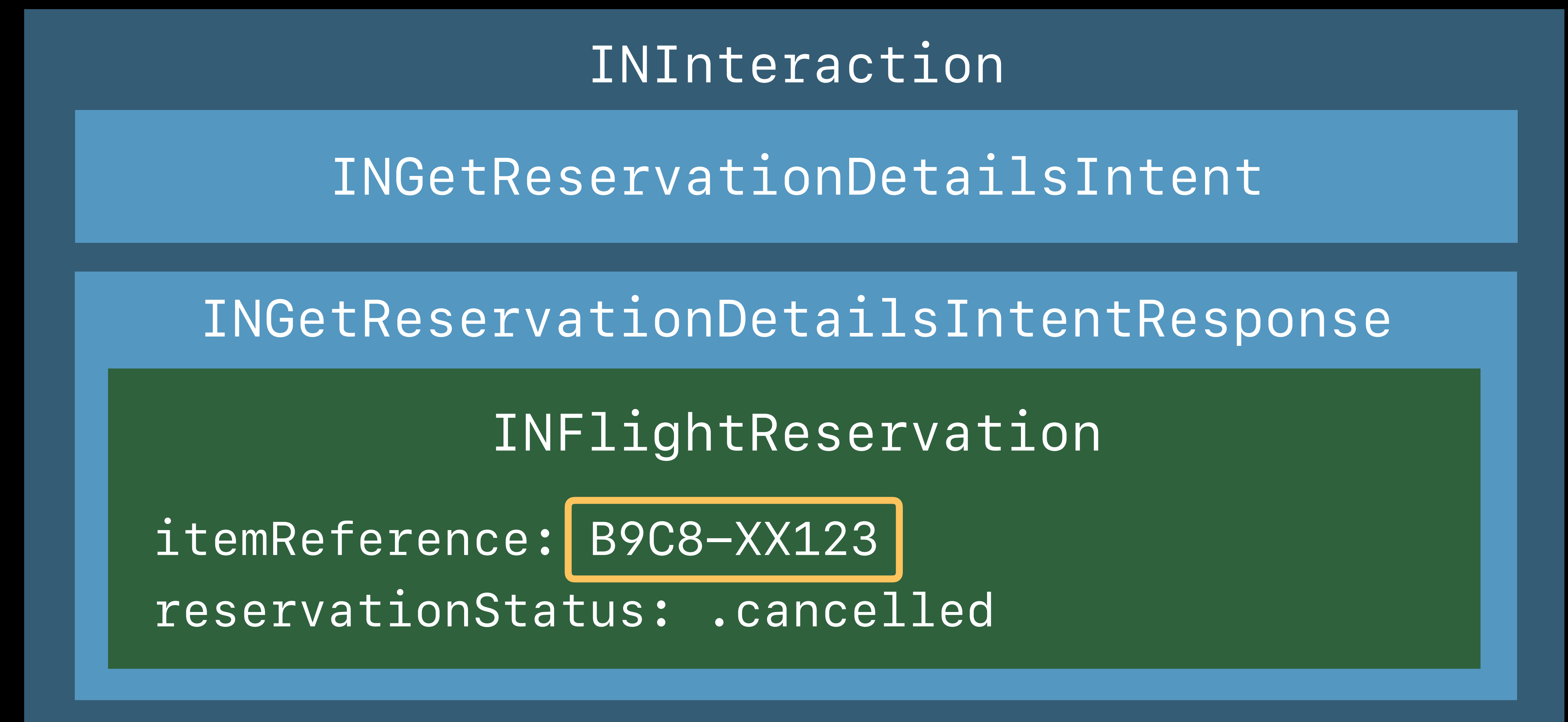
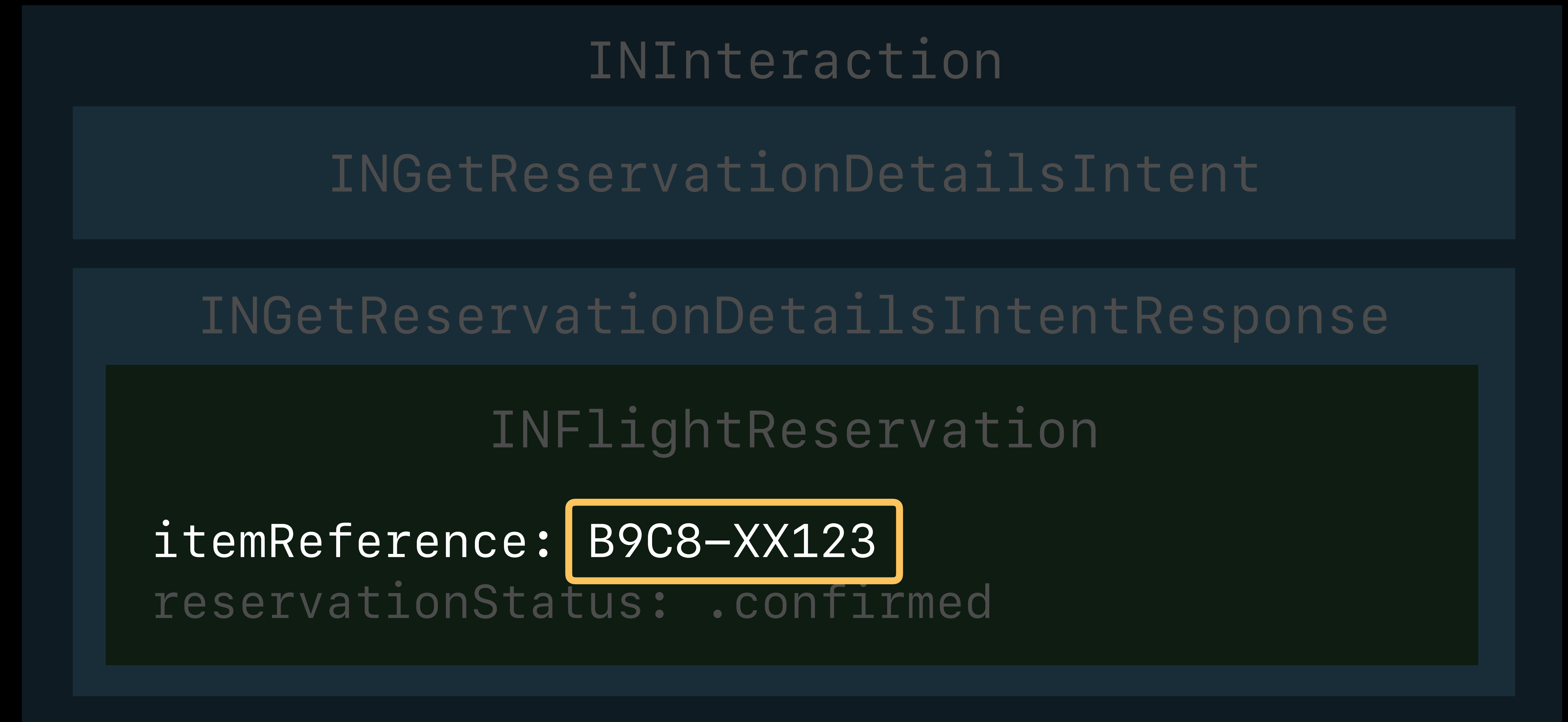


# Reservation Lifecycle

## Cancellations



Donate





# 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](https://developer.apple.com/wwdc19/243)

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Introduction to Shortcuts

WWDC 2018

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Increase Usage of Your App With Proactive Suggestions

WWDC 2016

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Adopting Handoff on iOS and OS X

WWDC 2014

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