

What's New in SiriKit

Session 214

Sirisha Yerroju, SiriKit Engineer
Tin Tran, SiriKit Engineer



Messaging

Workouts

Climate and Radio

Ride Booking

Photo Search

Car Commands

Payments

VOIP Calling



Get me a ride to SFO via MyRidesApp Send a text to Carey using Unicorn Stop my workout in MyWorkoutApp

Call Mike on my MyVoIPApp **Messaging** Send \$10 to John Doe for dinner using MyPayApp Book me a Ride

Look for beach photos in MyPhotosApp **Climate and Radio** Show missed calls from Jon Appleased in Unicorn

Ride Booking Start my daily workout

Start slideshow in my UnicornPhotoApp

Find messages from Jon on Unicorn

Photo Search Show all my accounts

Resume my daily run **Workouts**

Pay the current balance on garbage bill

Pay my sparkle sparks cleaners bills

Set heater to 72 degrees **Payments**

Change my audio source to USB

Pay my rent to unicorn rental properties

Send \$9 to John Doe using Unicorn

Ask John to pay me \$100 in UnicornPay

Car Commands Call John on MyVoIPApp

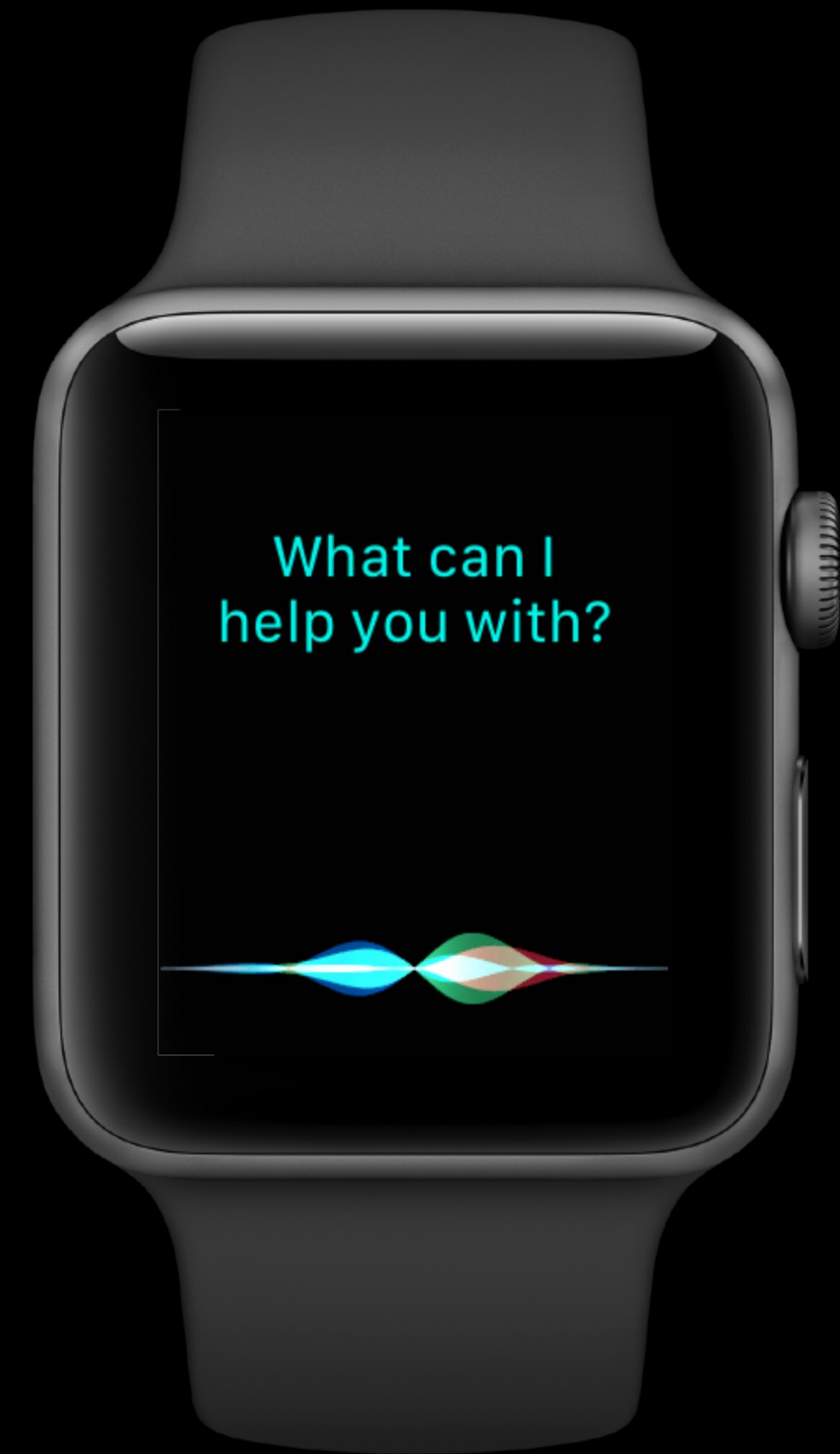
Search for cute dog pics in my UnicornApp

How far can I drive my car on the current charge **VOIP Calling**

Pause my sparklySparkle run in UnicornApp

Are the car doors unlocked Turn on the AC Switch to FM radio Turn off the front defroster Pay all my bills







Domains and intents

Customizable UI

Additional enhancements

Domains and intents

Customizable UI

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Domains and intents

Customizable UI

Additional enhancements

Domains and Intents

Domains and Intents

Payments

Domains and Intents

Payments

Lists and notes

Domains and Intents

Payments

Lists and notes

Visual codes

Domains and Intents

Payments

Domains and Intents

Payments

Send/Request

Domains and Intents

Payments

Send/Request

Bills

Domains and Intents

Payments

Send/Request

Bills

Accounts

Domains and Intents

Payments

Send/Request

Bills

Accounts

- Transfer

Domains and Intents

Payments

Send/Request

Bills

Accounts

- Transfer
- Search



9:41 AM

100%

Transfer \$10 tomorrow
from my Checking
account to my Rainbow
Savings account in
UnicornPay

**OK, here's your transfer.
Shall I send it?**



UNICORNPAY

Transfer Money

From	Checking
To	Rainbow Savings
Amount	\$10.00
Date	6/8/17 12 AM





9:41 AM

100%

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UNICORNPAY

Transfer Money

From Checking

To Rainbow Savings

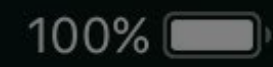
Amount \$10.00

Date 6/8/17 12 AM





9:41 AM



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UnicornPay

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Transfer Money

From	Checking
To	Rainbow Savings
Amount	\$10.00

Date

6/8/17 12 AM





9:41 AM

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UNICORNPAY

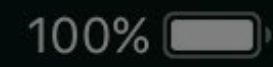
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9:41 AM



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Transfer Money

From

Checking

To

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Amount

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Date

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9:41 AM

100%

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UNICORNPAY

Transfer Money

From

Checking

To

Rainbow Savings

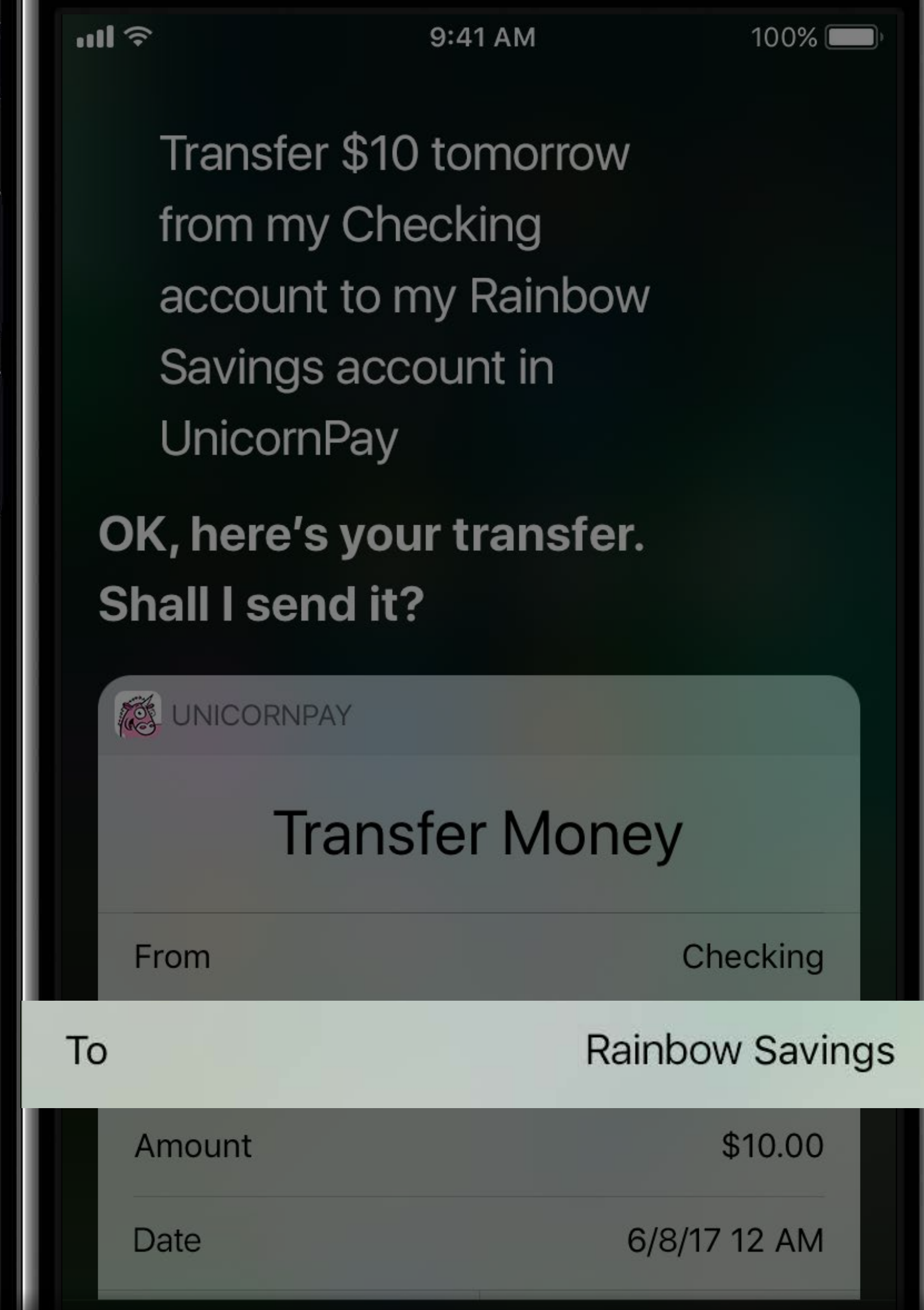
Amount

\$10.00

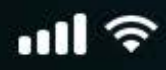
Date

6/8/17 12 AM





<https://developer.apple.com/reference/intents/invocabulary>



9:41 AM

100%

Show all my accounts in UnicornPay

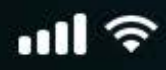
Here you go:



UNICORNPAY

Rainbow Debit	\$100.00 >
Rainbow Savings	\$10,00.00 >
Sparkle Credit	-\$100.00 >





9:41 AM

100%

Show all my accounts in UnicornPay

Here you go:



UNICORNPAY

Rainbow Debit	\$100.00 >
Rainbow Savings	\$10,00.00 >
Sparkle Credit	-\$100.00 >





9:41 AM

100%

Back



UNICORNPAY

Account Number ****1234

Balance \$100.00

Other Balance \$100.00





9:41 AM



What is the balance on my
Rainbow checking account
in UnicornPay

Here you go:



UNICORNPAY

Organization Name	Rainbow
Account Number	****1234
Account	Checking
Balance	\$100.00
Other Balance	\$100.00





9:41 AM

100%

How many miles do I have on
my Sparkle card in UnicornPay

Here you go:



UNICORNPAY

Organization Name Sparkle

Account Number ****1234

Account Card

Balance -\$100.00

Miles 100



Domains and Intents

Payments

NEW

Domains and Intents

Payments



NEW

INTransferMoneyIntent

Domains and Intents

Payments



NEW

INTransferMoneyIntent

INSearchForAccountsIntent

Domains and Intents

Lists and Notes





9:41 AM



Make a grocery list with milk butter and eggs in UnicornNote

OK, I've created a list called "Grocery".



UNICORNNOTE

Grocery

Milk

Butter

Eggs





9:41 AM

100%

Mark eat broccoli as completed
in UnicornNote

OK, done.



UNICORNNOTE



Eat broccoli





9:41 AM



In UnicornNote remind me to print slides when I get to work

OK, done.



UNICORNNOTE



Print slides

Arriving: 1 Infinite Loop, Cupertino





9:41 AM



Remind me to leave work at 5 PM
in UnicornNote

OK, done.



UNICORNNOTE



Leave work

5:00 PM



Domains and Intents

Lists and Notes



NEW

Domains and Intents

Lists and Notes



NEW

INCreateTaskListIntent

Domains and Intents

Lists and Notes



NEW

INCreateTaskListIntent

INAddTasksIntent

Domains and Intents

Lists and Notes



NEW

INCreateTaskListIntent

INAddTasksIntent

INSetTaskAttributeIntent

Domains and Intents

Lists and Notes

*“Create a note called **WWDC** in UnicornNotes”*

Domains and Intents

Lists and Notes

*“Create a note called **WWDC** in UnicornNotes”*

title

Domains and Intents

Lists and Notes

*“Create a note called **WWDC** in my **presentation** folder saying **SiriKit** in UnicornNotes”*

title

groupName

content

Domains and Intents

Lists and Notes

*“Create a note called **WWDC** in my **presentation** folder saying **SiriKit** in UnicornNotes”*

title

groupName

content

“Add to my WWDC note in UnicornNotes saying It’s on June 7th”

Domains and Intents

Lists and Notes

*“Create a note called **WWDC** in my **presentation** folder saying **SiriKit** in **UnicornNotes**”*

title

groupName

content

*“Add to my **WWDC** note in **UnicornNotes** saying **It’s on June 7th**”*

targetNote

content

Domains and Intents

Lists and Notes



NEW

Domains and Intents

Lists and Notes



NEW

INCreateNoteIntent

Domains and Intents

Lists and Notes



NEW

INCreateNoteIntent

INAppendToNoteIntent



9:41 AM



Show all my items in UnicornNote

OK, here's what I found...



UNICORNNOTE

NOTES

Movies I like

10:05 AM Titanic



Vacation

10:05 AM Let's go to Montréal It's my favorite city



LISTS

Reminders

10:05 AM Complete design



Shopping

10:05 AM Banana



ITEMS

Friday, April 7, 2017



Complete design

8:00 AM



Domains and Intents

Lists and Notes



NEW

Domains and Intents

Lists and Notes



NEW

INSearchForNotebookItemsIntent

Domains and Intents

Lists and Notes



NEW

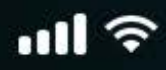
INSearchForNotebookItemsIntent

- title
- content
- itemType
- status
- location
- dateTime

Domains and Intents

Visual codes





9:41 AM



Show my UnicornChat code

OK, here's your code:



UNICORNCHAT



Open UnicornChat



Domains and Intents

Visual codes



NEW

Domains and Intents

Visual codes



NEW

INGetVisualCodeIntent

Domains and Intents

Visual codes



NEW

INGetVisualCodeIntent

- visualCodeType

Domains and Intents

Visual codes



NEW

INGetVisualCodeIntent

- visualCodeType
 - contact

Domains and Intents

Visual codes



NEW

INGetVisualCodeIntent

- visualCodeType
 - contact
 - requestPayment

Domains and Intents

Visual codes



NEW

INGetVisualCodeIntent

- visualCodeType
 - contact
 - requestPayment
 - sendPayment

Adding Visual Codes to UnicornChat

Tin Tran, SiriKit Engineer




9:41 AM

100%


"Let's add more sparkle transitions"

tap to edit

Here's your UnicornChat message:

 UNICORNCHAT

CELESTRA



Let's add more sparkle transitions

Cancel Send



Info.plist

▼ NSExtension	↕	Dictionary	(3 items)
▼ NSExtensionAttributes		Dictionary	(2 items)
▶ IntentsRestrictedWhileLocked		Array	(1 item)
▼ IntentsSupported		Array	(2 items)
Item 0		String	INSendMessageIntent
Item 1		String	INGetVisualCodeIntent
NSExtensionPointIdentifier		String	com.apple.intents-service
NSExtensionPrincipalClass		String	\$(PRODUCT_MODULE_NAME).UCIntentsHandler

Info.plist

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Build
2 targets

Run
Debug

Test
Debug

Profile
Release

Analyze
Debug

Archive
Release

Install
Debug

Info Arguments Options Diagnostics

Build Configuration: Debug

Executable: Ask on Launch

Debug executable

Siri Intent Query: Show my UnicornChat code

Debug Process As: Me (tintran-admin) root

Launch: Automatically Wait for executable to be launched

Build 2 targets

Run Debug

Test Debug

Profile Release

Analyze Debug

Archive Release

Install Debug

Info Arguments Options Diagnostics

Build Configuration Debug

Executable Ask on Launch

Debug executable

Siri Intent Query Show my UnicornChat code

Debug Process As Me (tintran-admin) root

Launch Automatically Wait for executable to be launched

Demo

Supporting Intents

Supporting Intents

Info.plist

Supporting Intents

Info.plist

Principal class

Supporting Intents

Info.plist

Principal class

Resolve, confirm, and handle

Customizable UI

SiriKit Extensions

Intents Extension (iOS, watchOS)

Resolve

Confirm

Handle

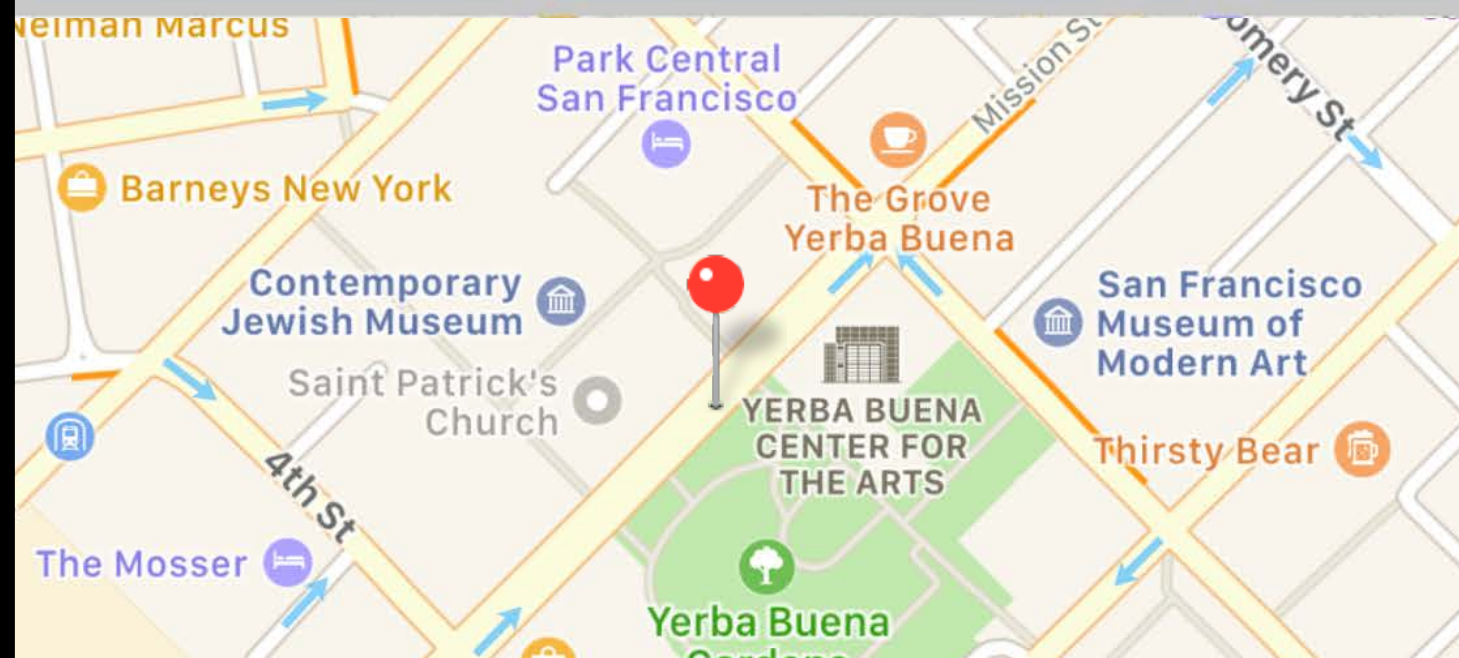
Intents UI Extension (iOS)

Configure view



UNICORNRIDE

Get a Ride



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25

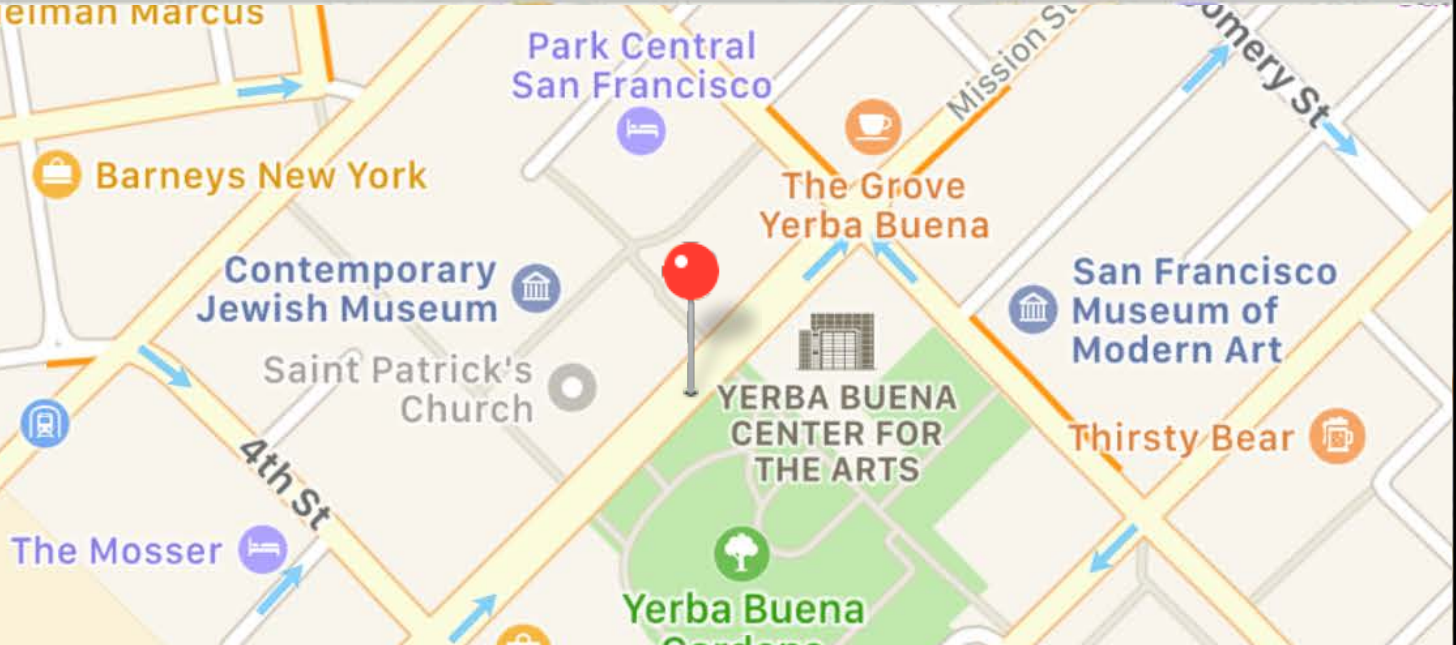
Special Pricing

Cancel

Request

UNICORNRIDE

Get a Ride




Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel Request

UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA

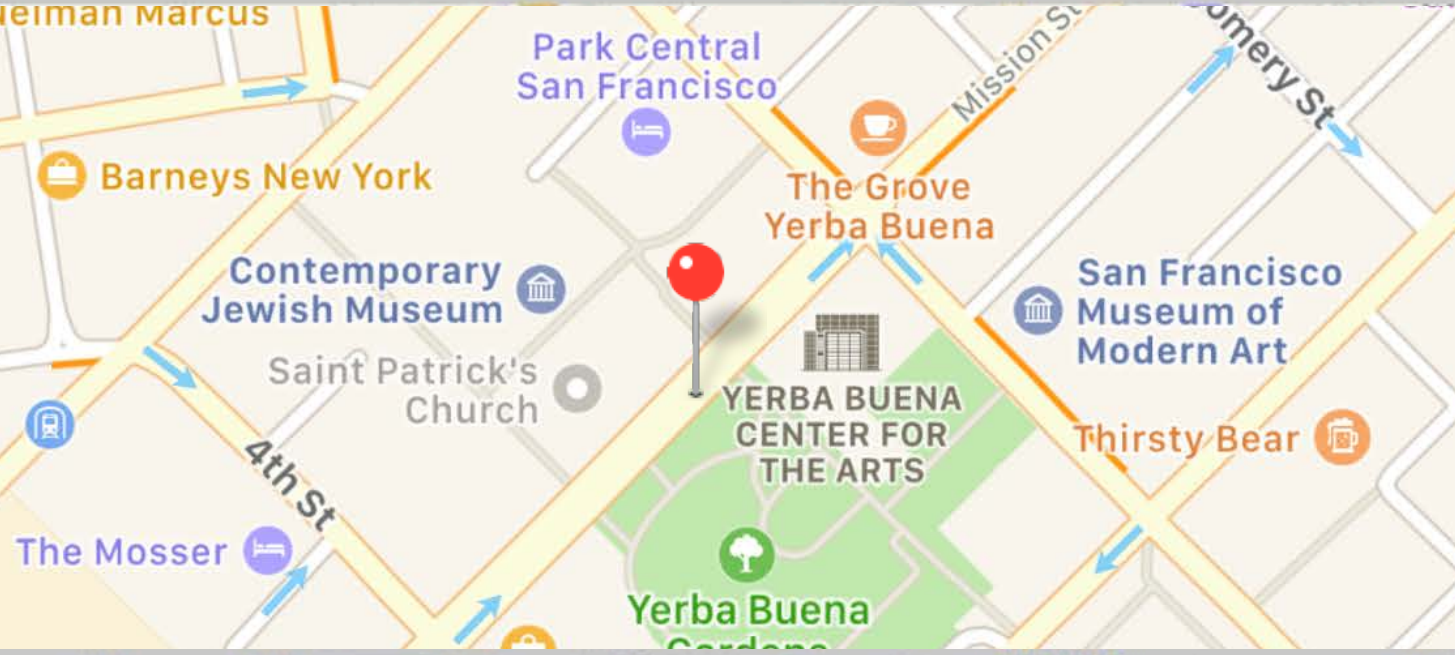


Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel Request

UNICORNRIDE

Get a Ride



Type: Majestic Unicorn

From: 1000 Stockton St

To: San Jose, CA

Fare: \$3.25


Special Pricing

Cancel Request

UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type: Majestic Unicorn

From: 1000 Stockton St

To: San Jose, CA

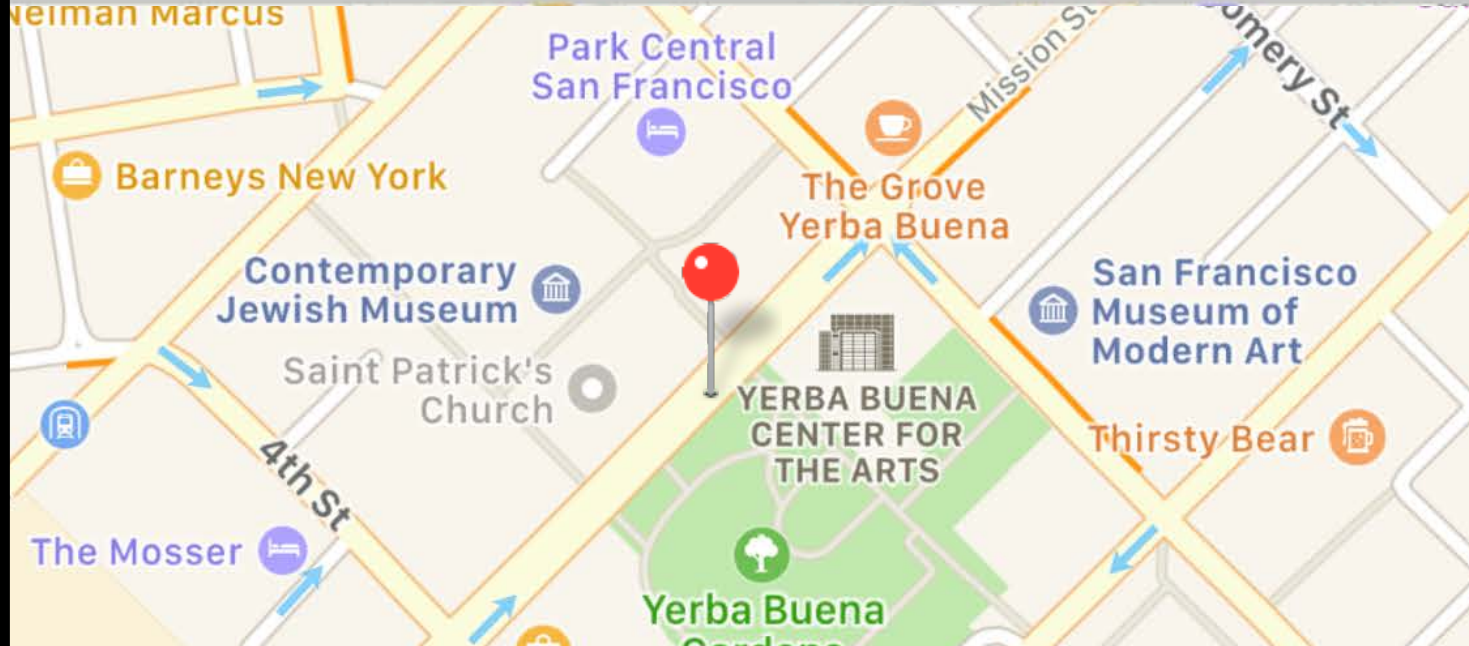
Fare: \$3.25

Special Pricing

Cancel Request

UNICORNRIDE

Get a Ride



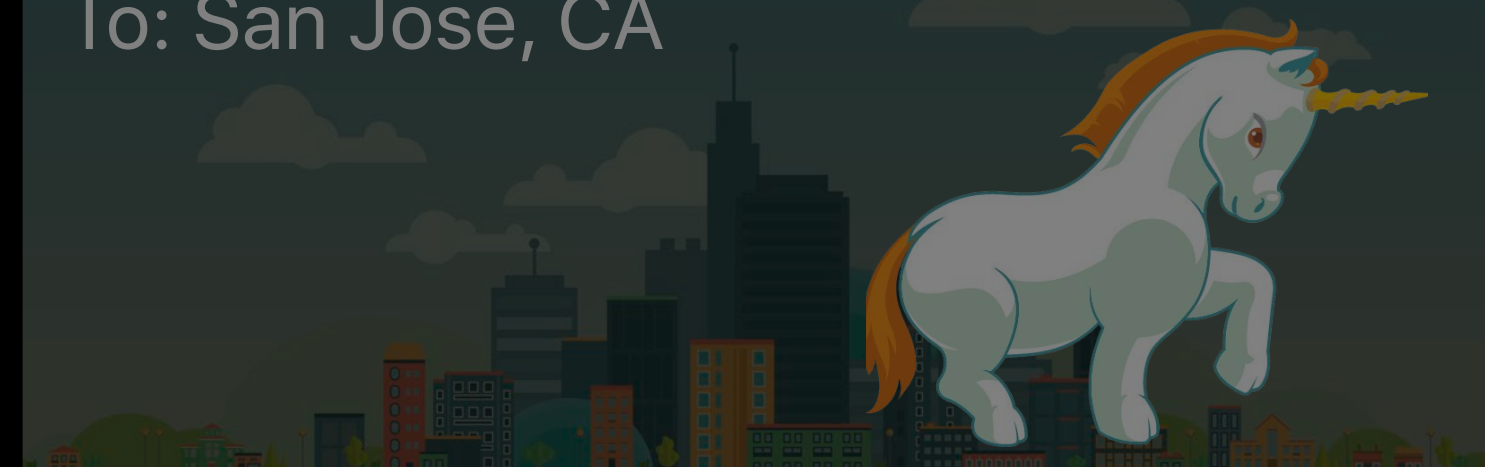
Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel Request

UNICORNRIDE

Get a Ride

From: 1000 Stockton St **\$3.25**
To: San Jose, CA



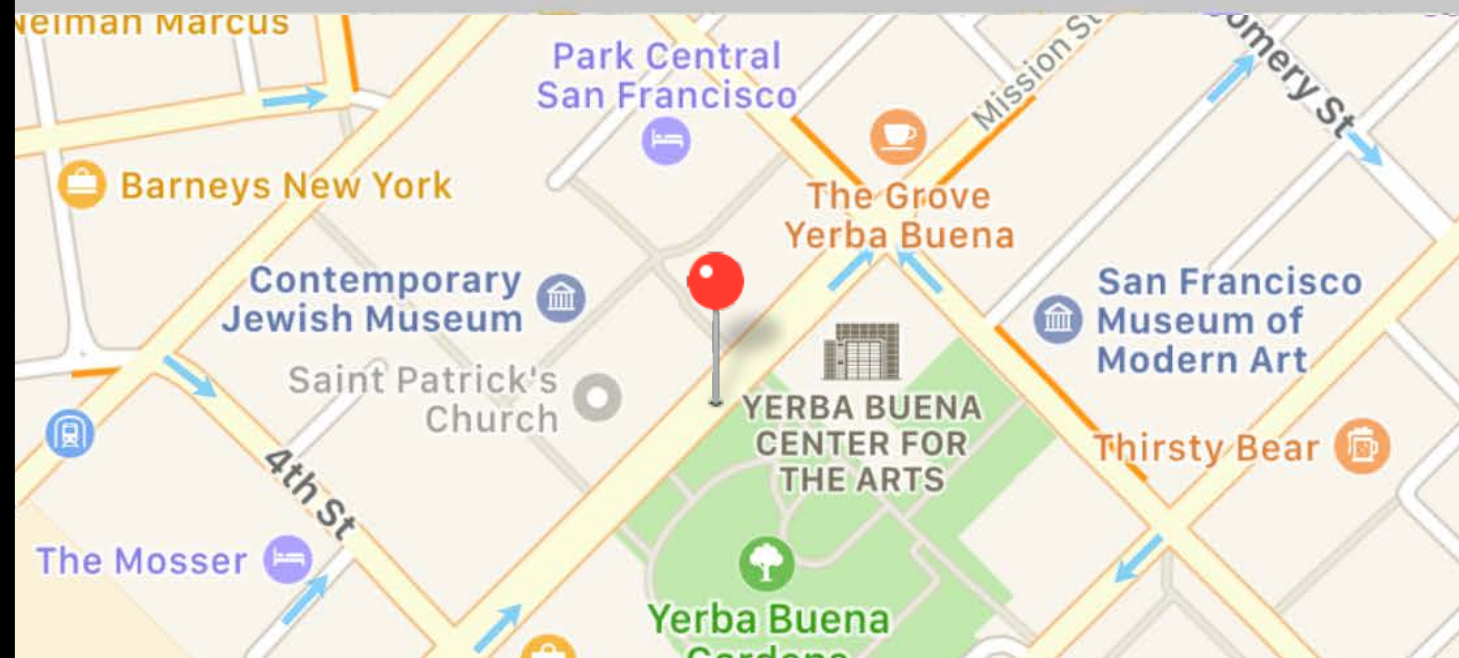
Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel Request



UNICORNRIDE

Get a Ride



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25

Special Pricing

Cancel

Request



UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
 To: San Jose, CA

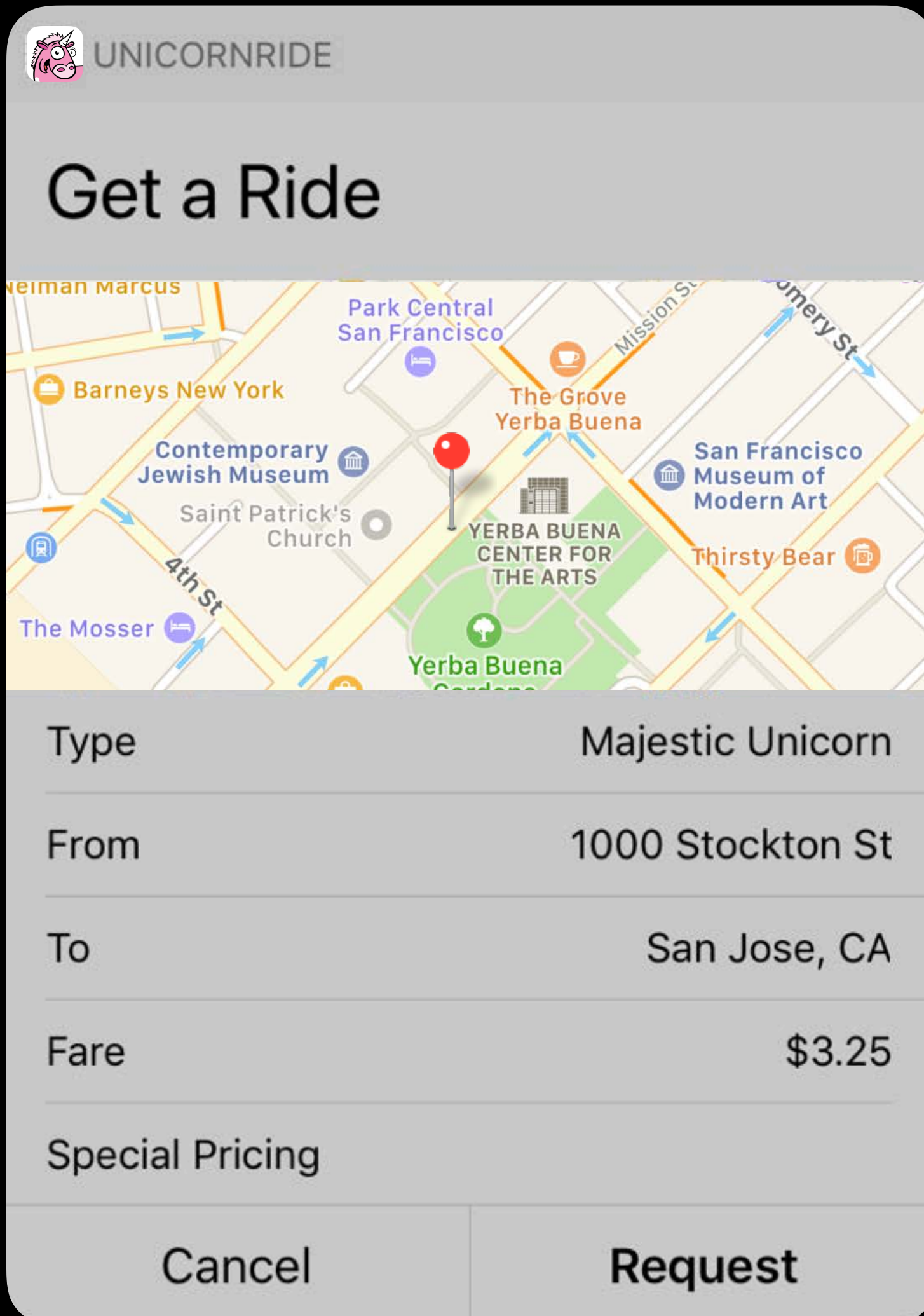


Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25

Special Pricing

Cancel

Request





UNICORN RIDE

Car en Route

Sparkle Sparkly

Car: Majestic Unicorn
Rating: 5.0

From 1000 Stockton St

To San Jose, CA

ETA 10 minutes

rideDriver

rideVehicle

pickupLocation

dropOffLocation

scheduledPickupTime



UNICORN RIDE

Car en Route

Sparkle Sparkly

Car: Majestic Unicorn

Rating: 5.0

From 1000 Stockton St

To San Jose, CA

ETA 10 minutes

rideDriver

rideVehicle

pickupLocation

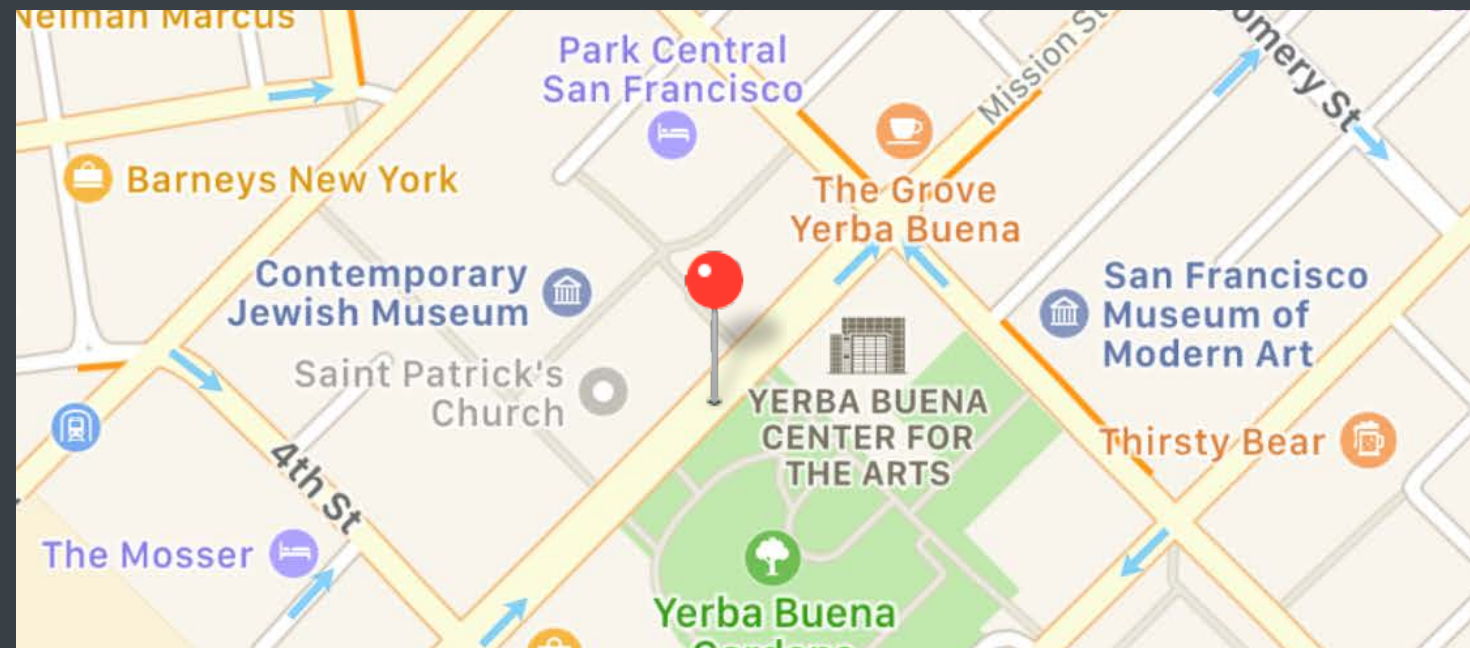
dropOffLocation

scheduledPickupTime



```
// INParameter
```

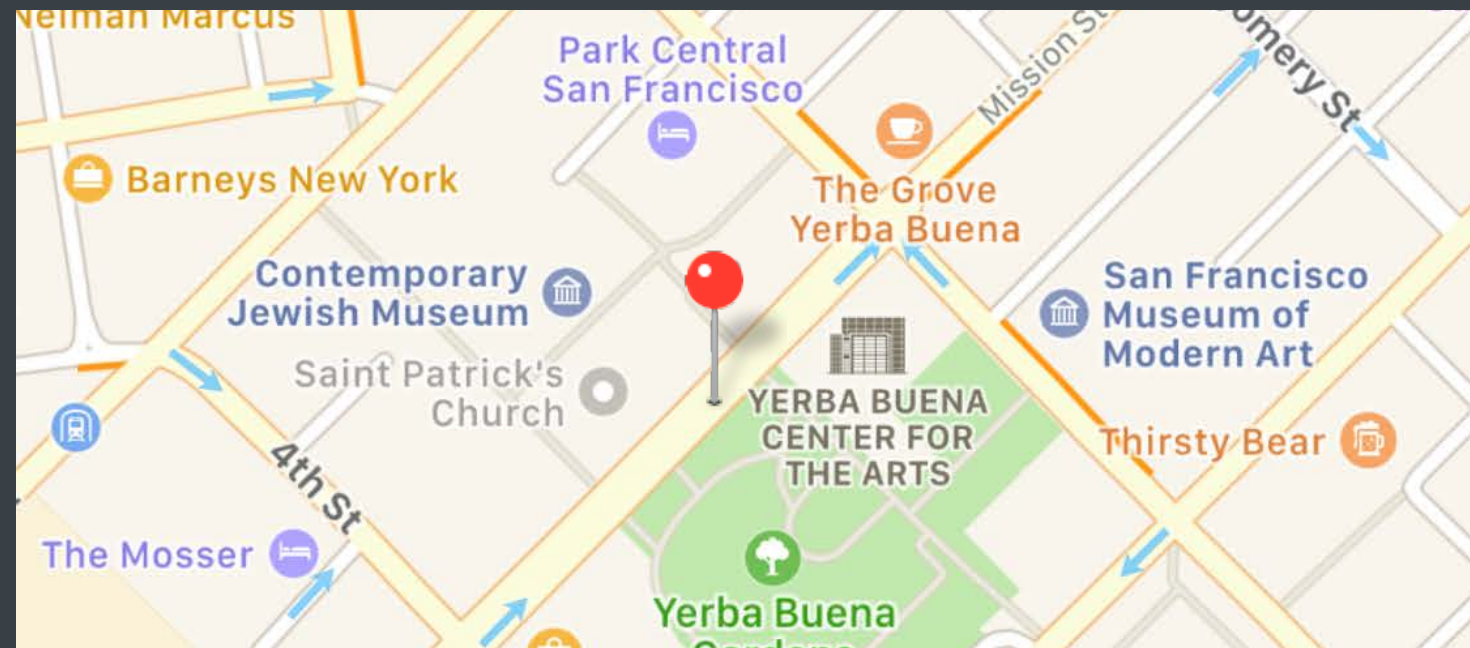
```
let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
#keyPath(INRequestRideIntent.pickupLocation))
```





```
// INParameter
```

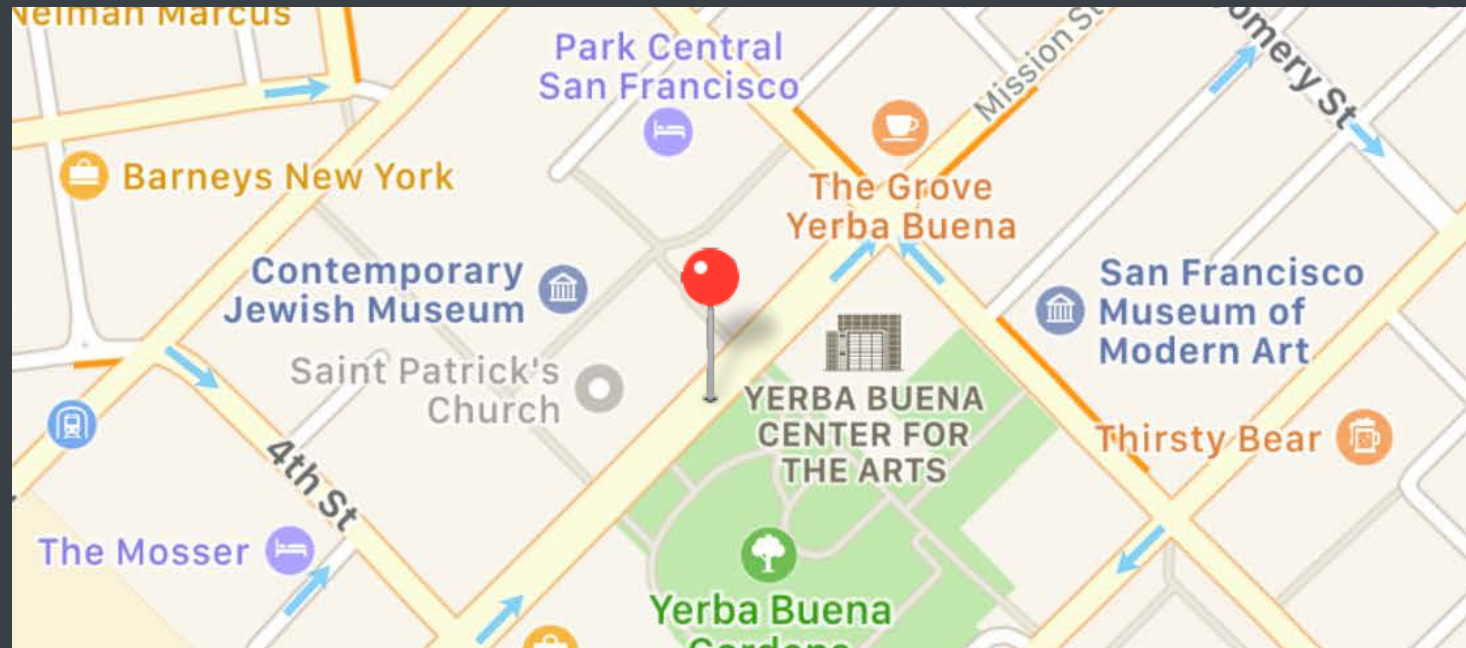
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```
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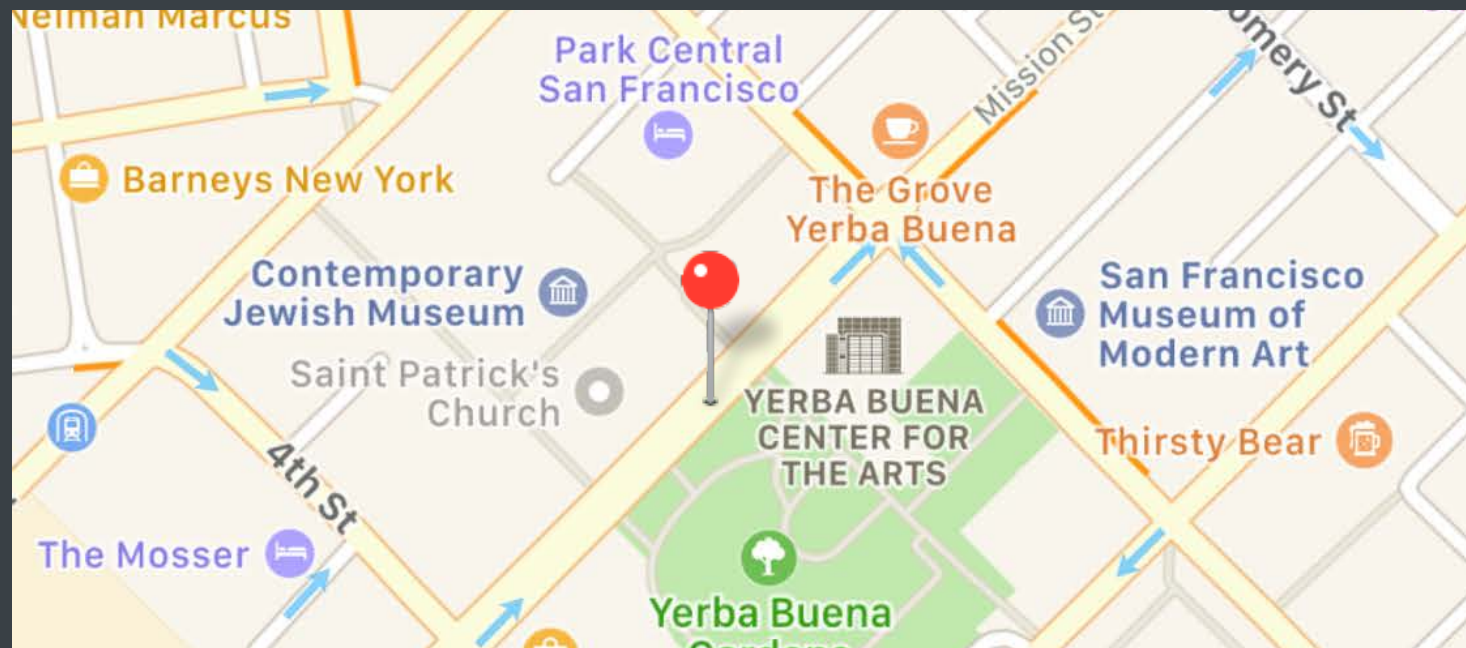
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```
// INParameter
```

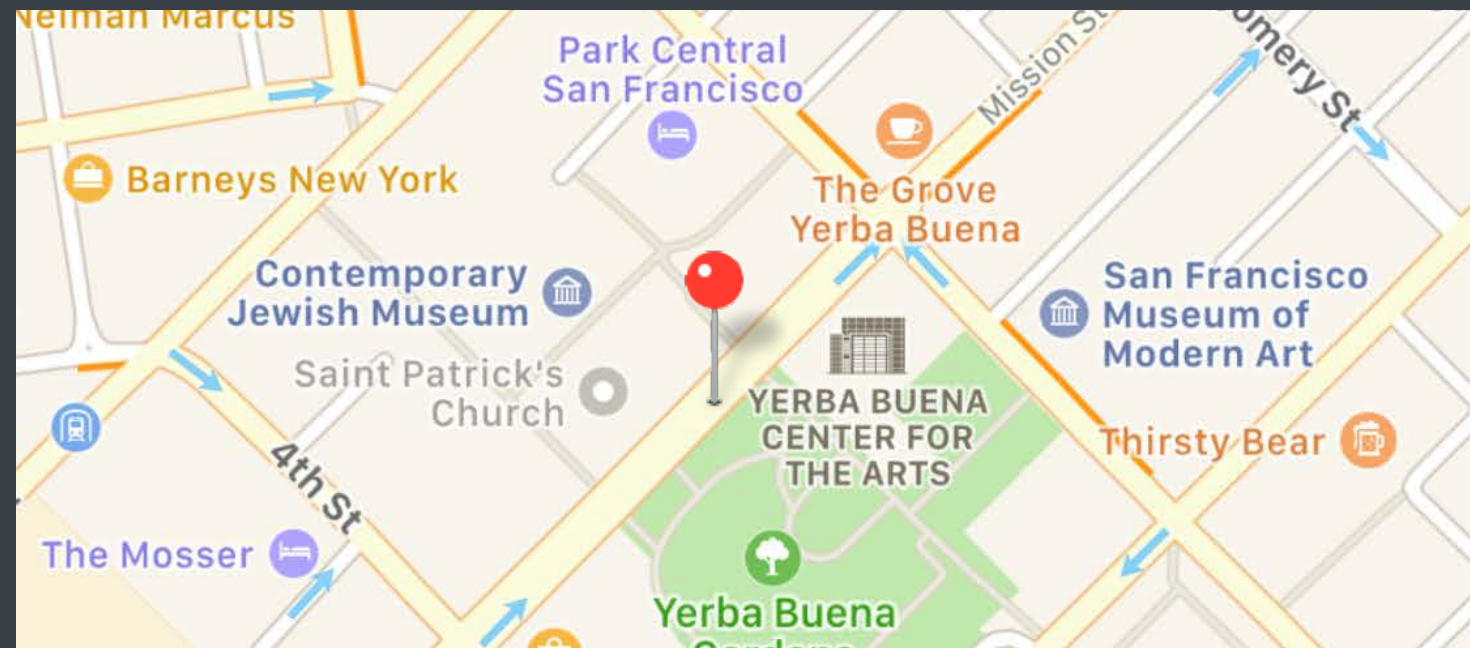
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let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
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```





```
// INParameter
```

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let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
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```



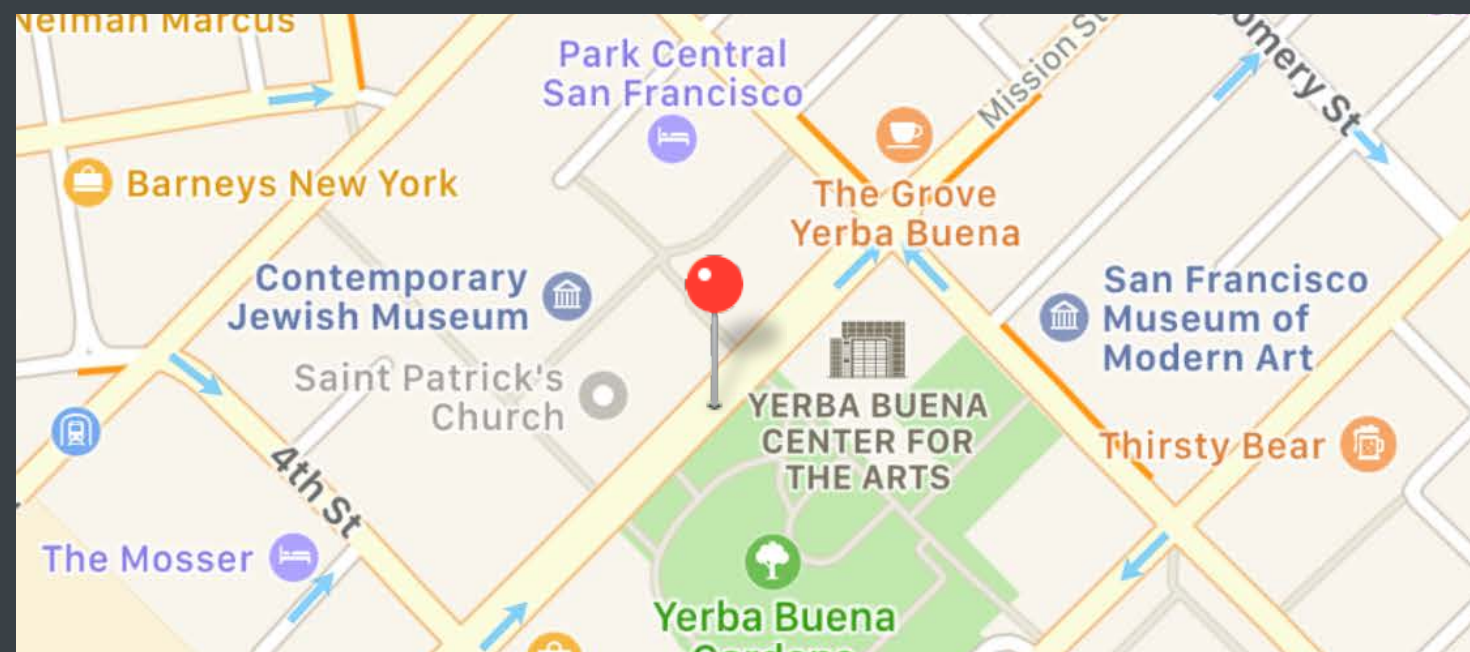
NEW

```
// INParameter
```

```
let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
#keyPath(INRequestRideIntent.pickupLocation))
```

```
// INInteraction
```

```
let pickupLocationValue = interaction.parameterValue(for: pickupLocation)
```



pickupLocation

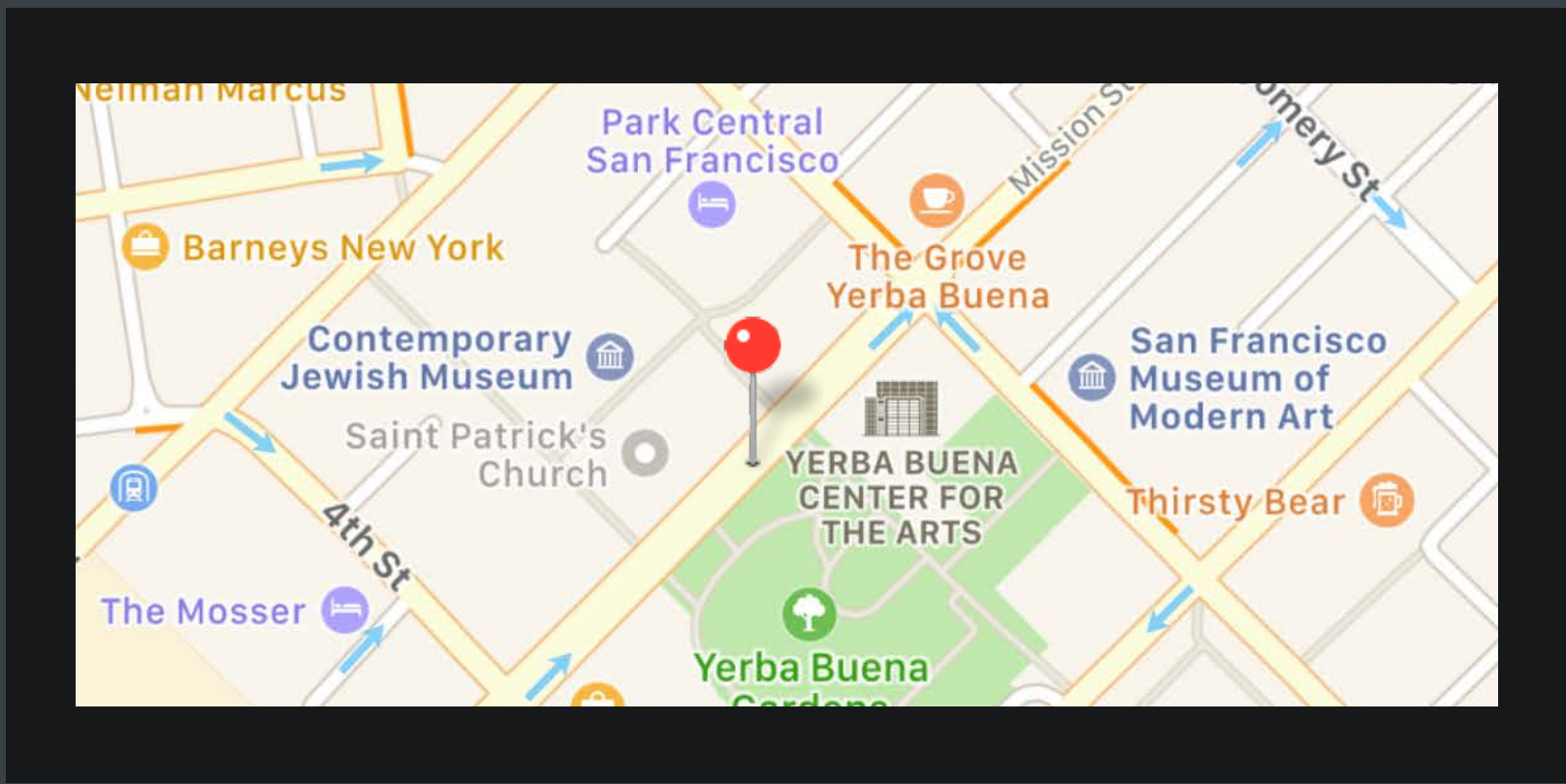


```
// INParameter
```

```
let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
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```

```
// INInteraction
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```



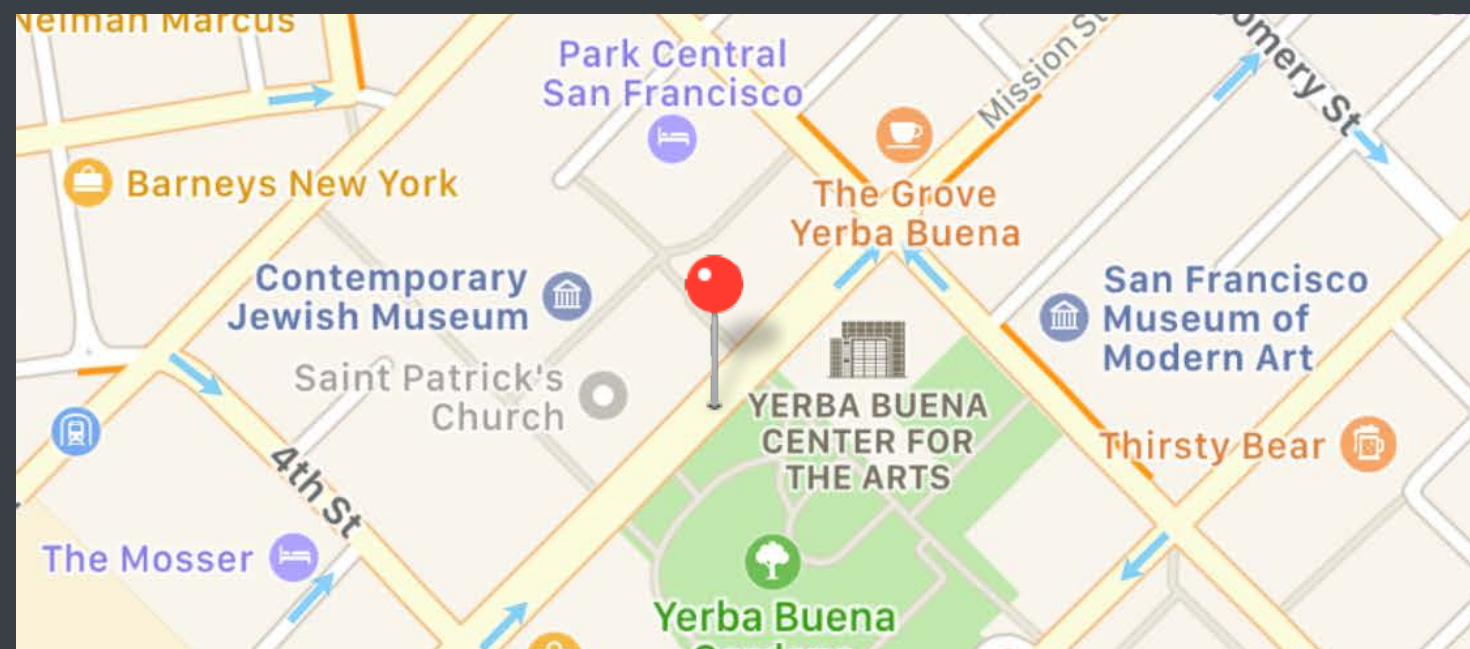
NEW

```
// INParameter
```

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let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self, keyPath:  
#keyPath(INRequestRideIntent.pickupLocation))
```

```
// INInteraction
```

```
let pickupLocationValue = interaction.parameterValue(for: pickupLocation)
```



pickupLocation



UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel

Request

pickupLocation

rideOptionName

pickupLocation

dropOffLocation

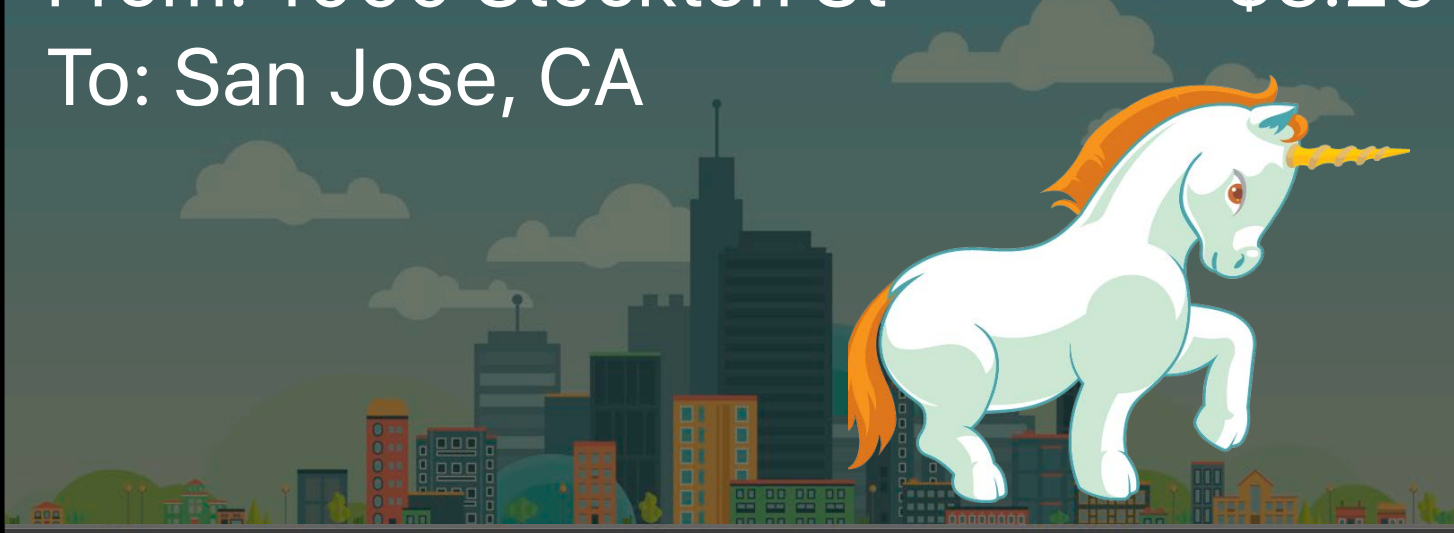
priceRange

specialPricing

UNICORN RIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel Request





UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type	Majestic Unicorn
From	1000 Stockton St
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Fare	\$3.25
Special Pricing	

Cancel

Request

pickupLocation

rideOptionName

pickupLocation

dropOffLocation

priceRange

specialPricing

```
// Intents UI Extension
```

```
class MyViewController: UIViewController, INUIHostedViewControlling {  
    func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
context: INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) ->  
Void) {}  
}
```



NEW

```
// Intents UI Extension
```

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class MyViewController: UIViewController, INUIHostedViewControlling {  
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Void) {}  
}
```



NEW

```
// Intents UI Extension
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NEW

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class MyViewController: UIViewController, INUIHostedViewControlling {
```

```
    func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
context: INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) ->  
Void) {}
```

```
}
```

```
// Intents UI Extension
```



NEW

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// Intents UI Extension
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NEW

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```
// Intents UI Extension
```



NEW

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NEW

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```
// Intents UI Extension
```



NEW

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class MyViewController: UIViewController, INUIHostedViewControlling {  
    func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
context: INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) ->  
Void) {}  
}
```

pickupLocation

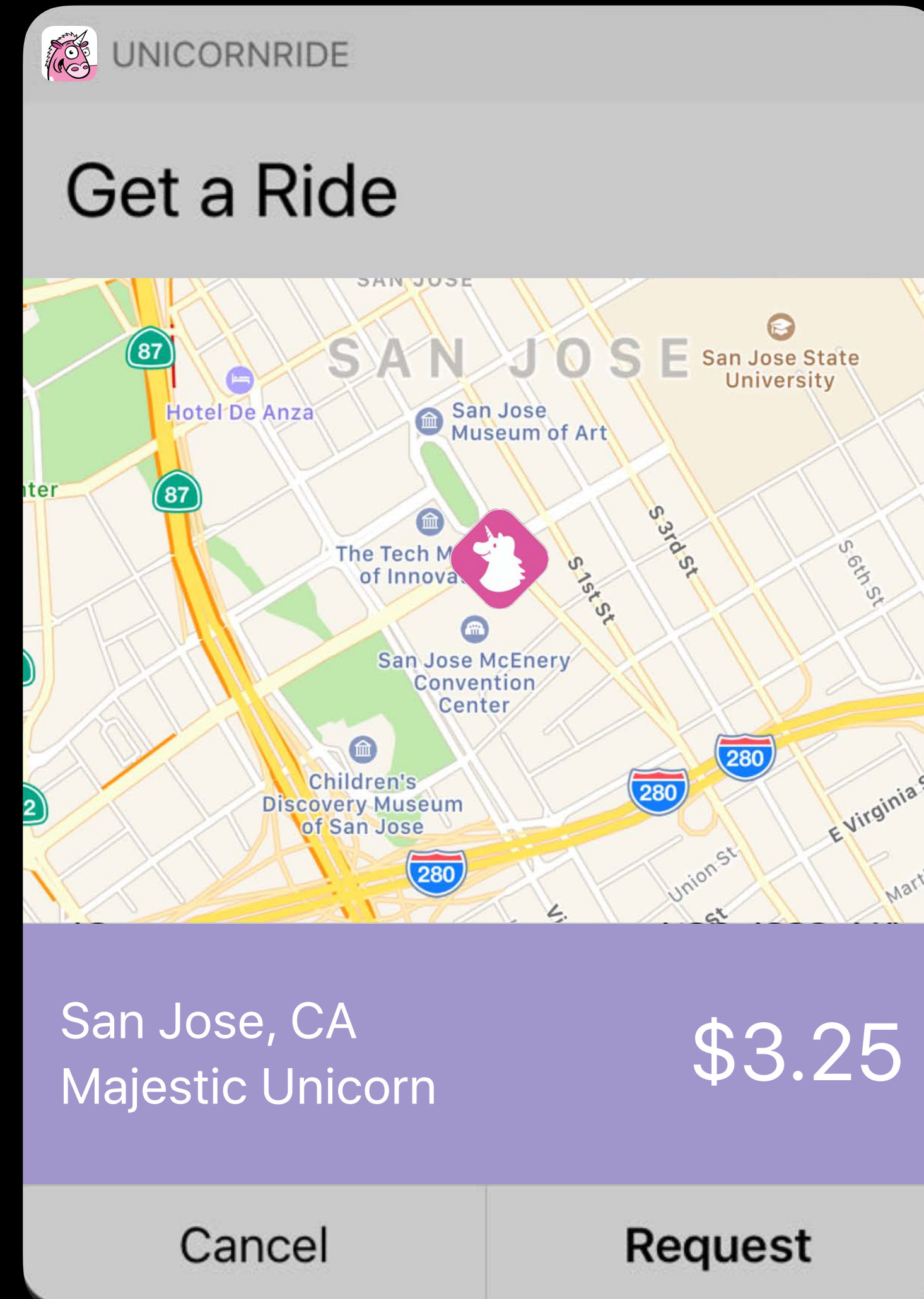
rideOptionName

pickupLocation

dropOffLocation

priceRange

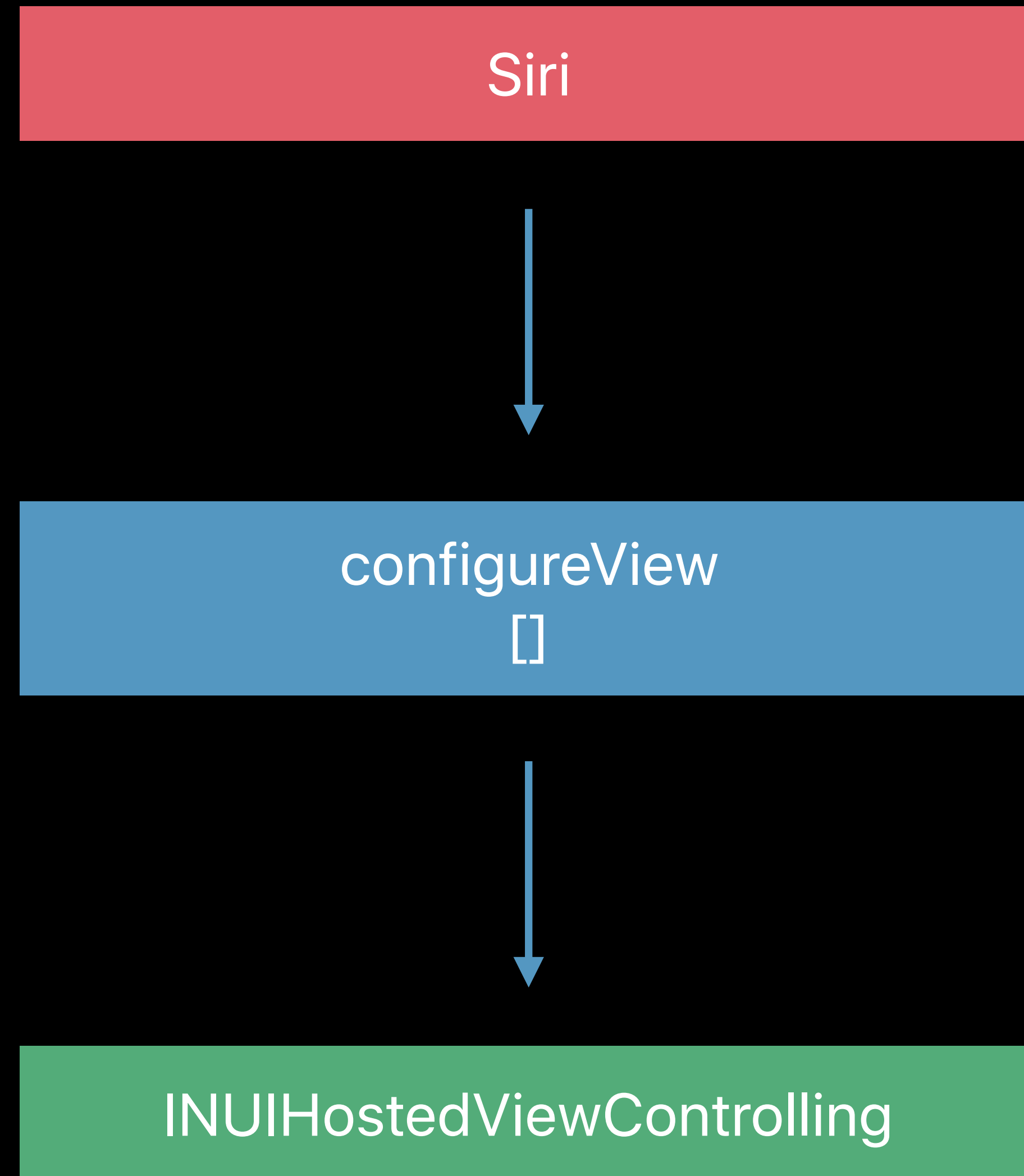
specialPricing





Siri

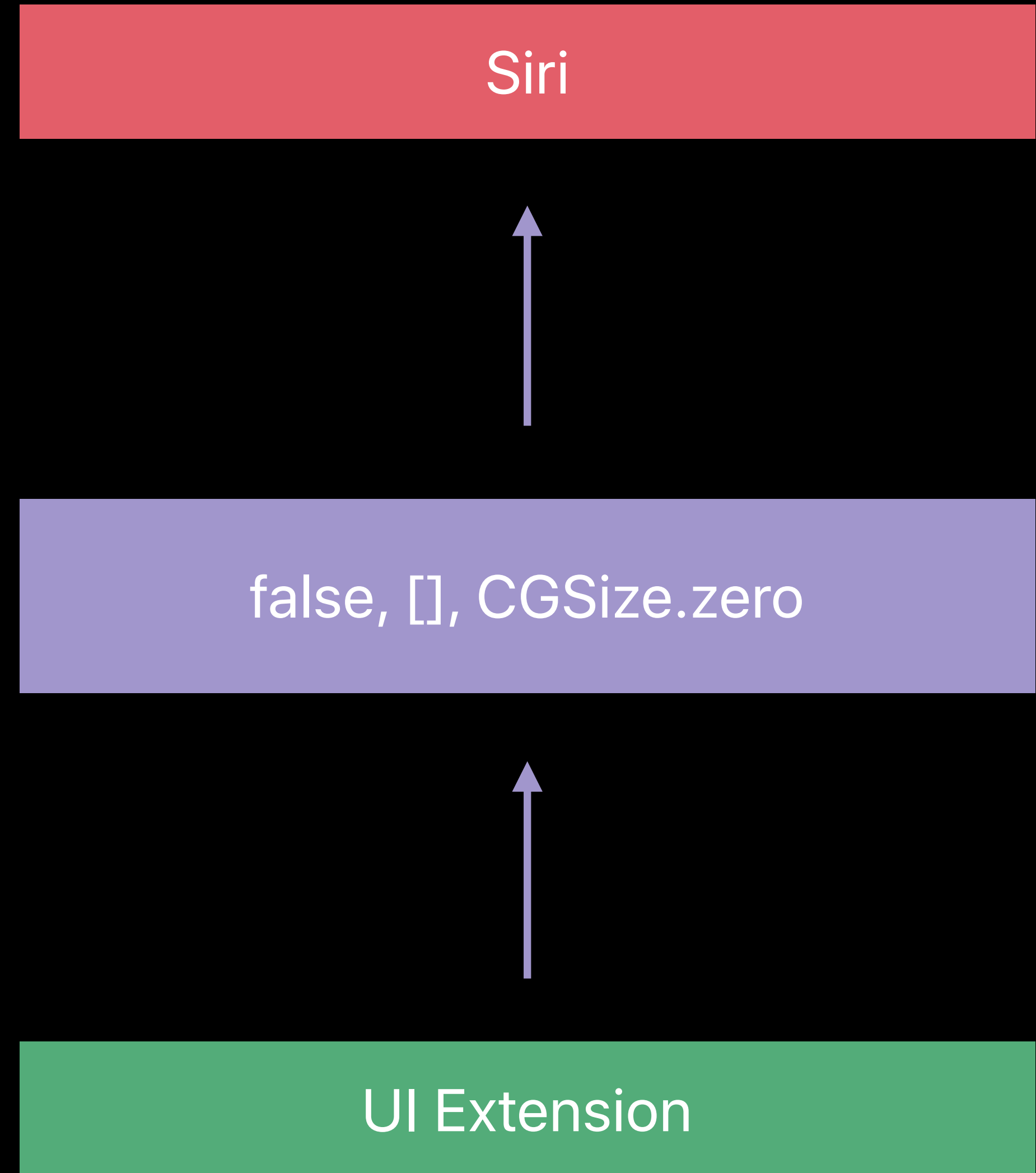
INUIHostedViewControlling





Siri

UI Extension



```
// Configure Empty Parameters

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    if parameters.isEmpty {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Empty Parameters

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    if parameters.isEmpty {
        completion(false, [], CGSize.zero)
    }
}
```

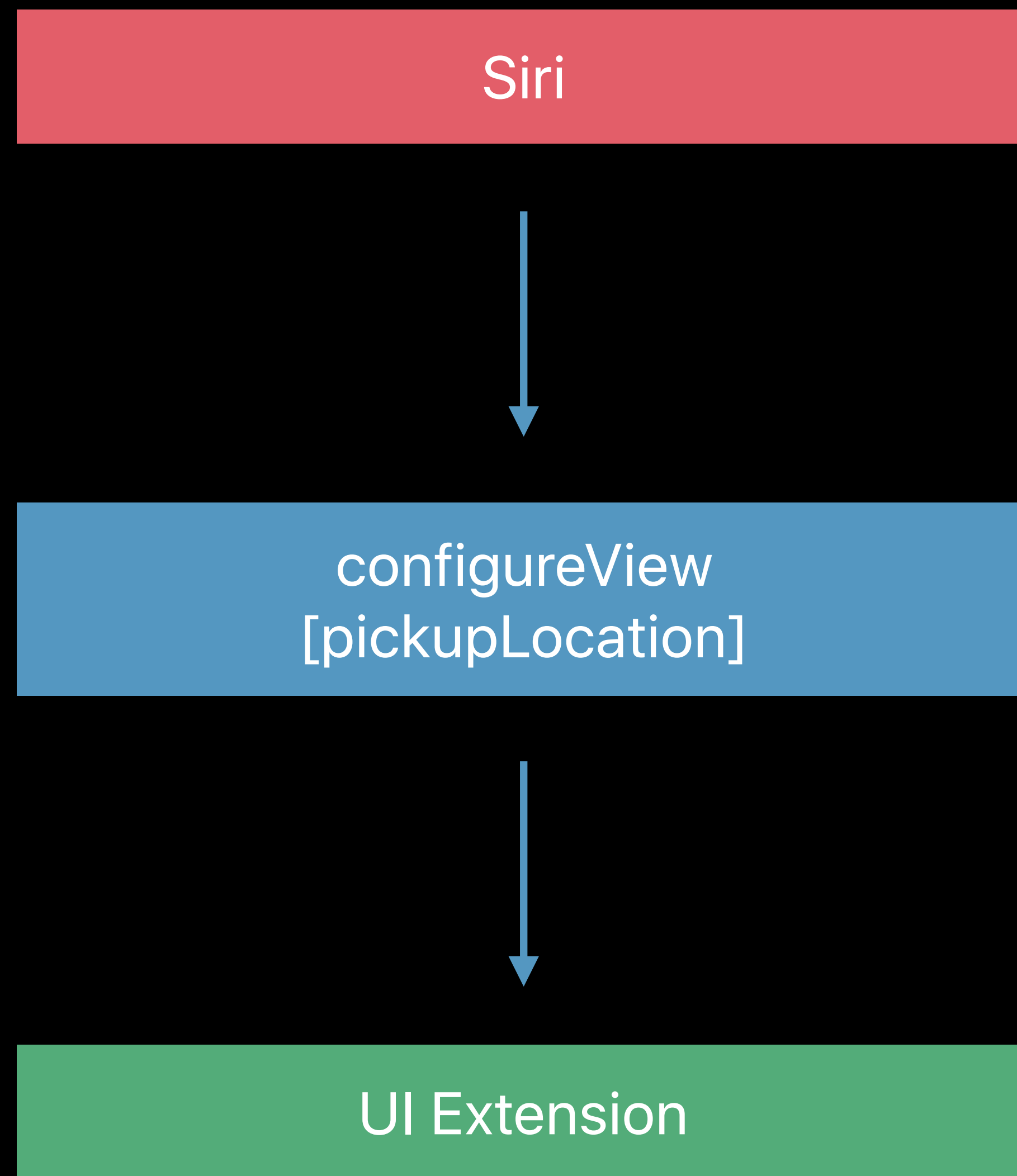
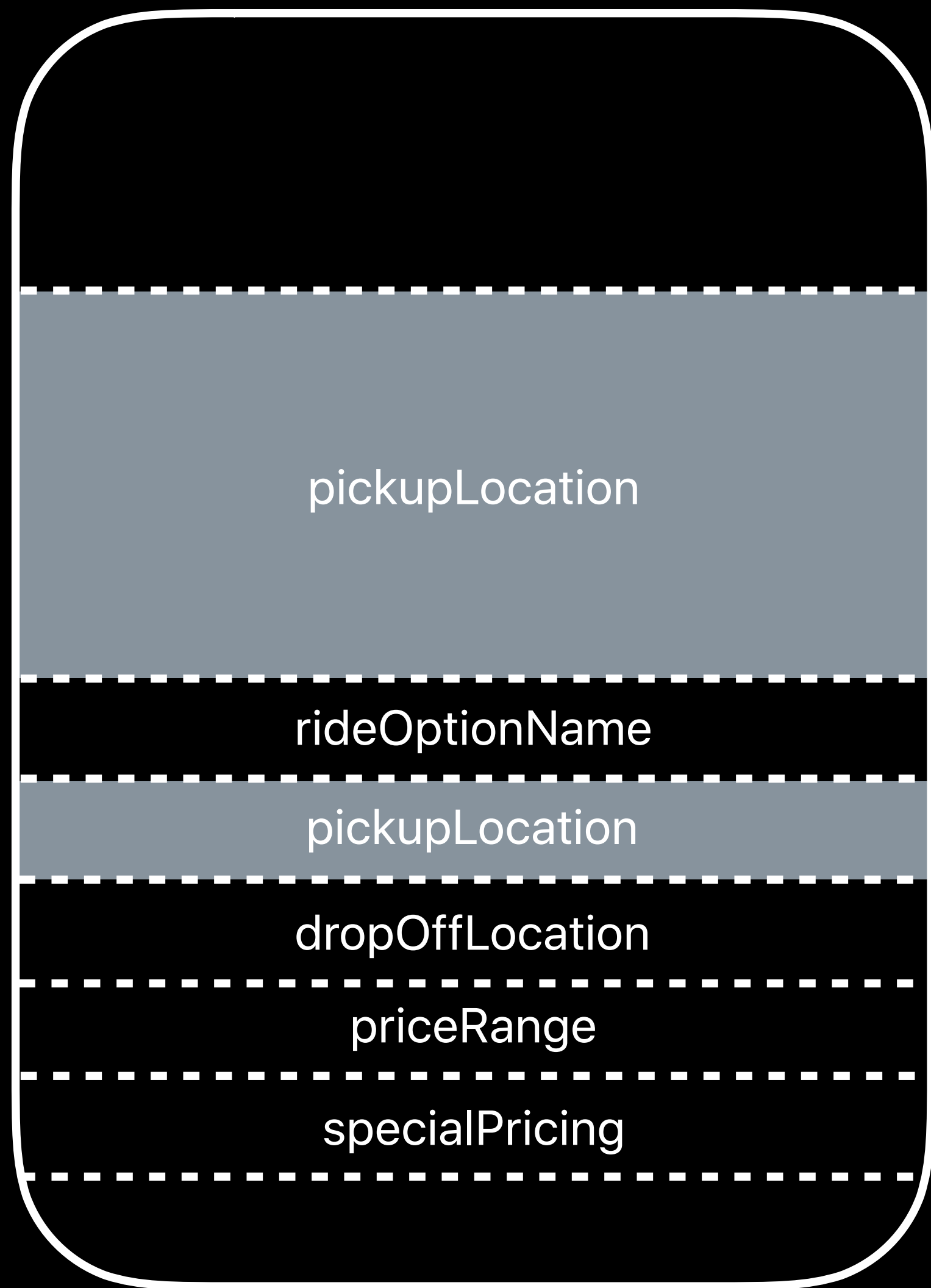
```
// Configure Empty Parameters

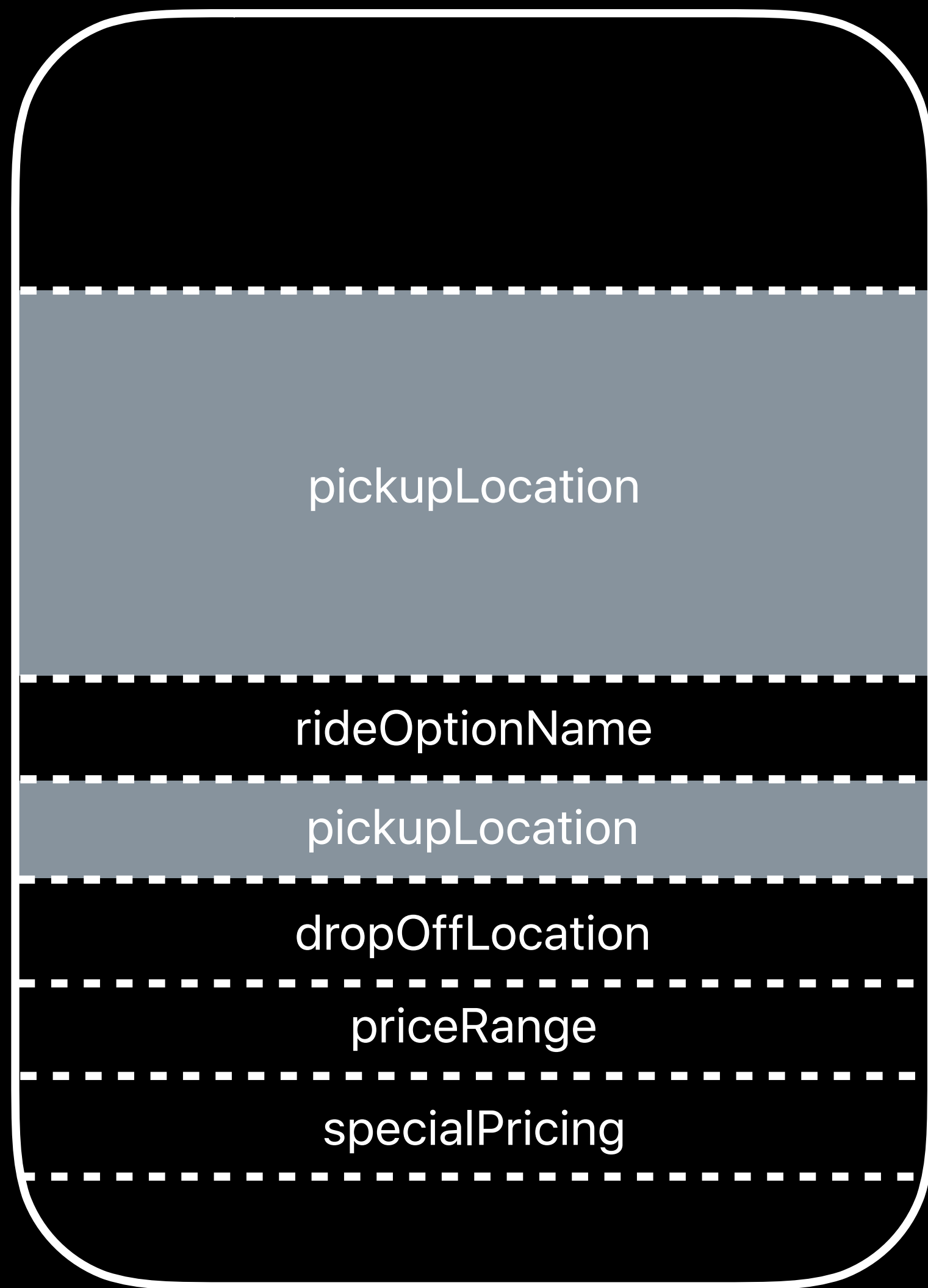
func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    if parameters.isEmpty {
        completion(false, [], CGSize.zero)
    }
}
```



Siri

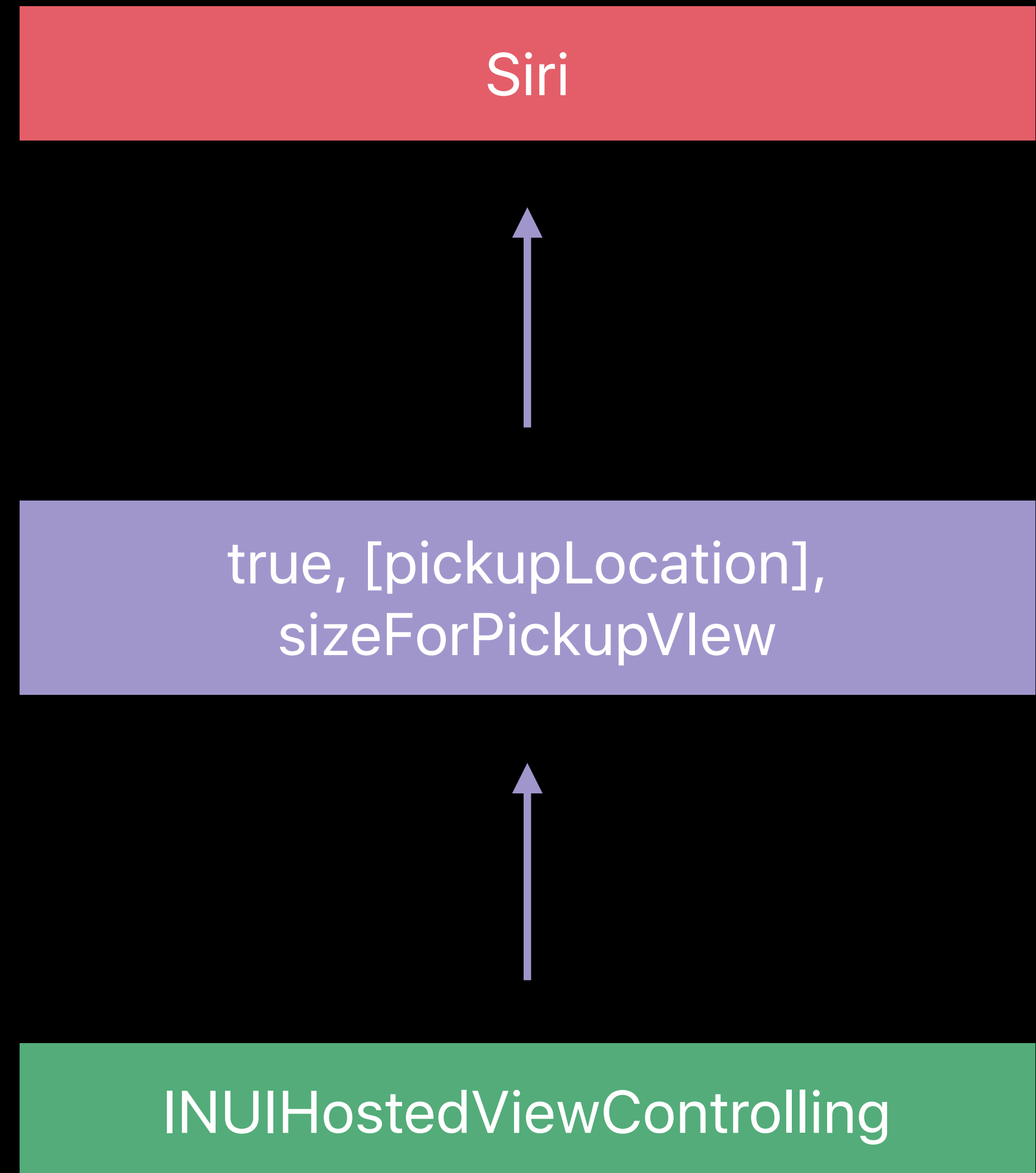
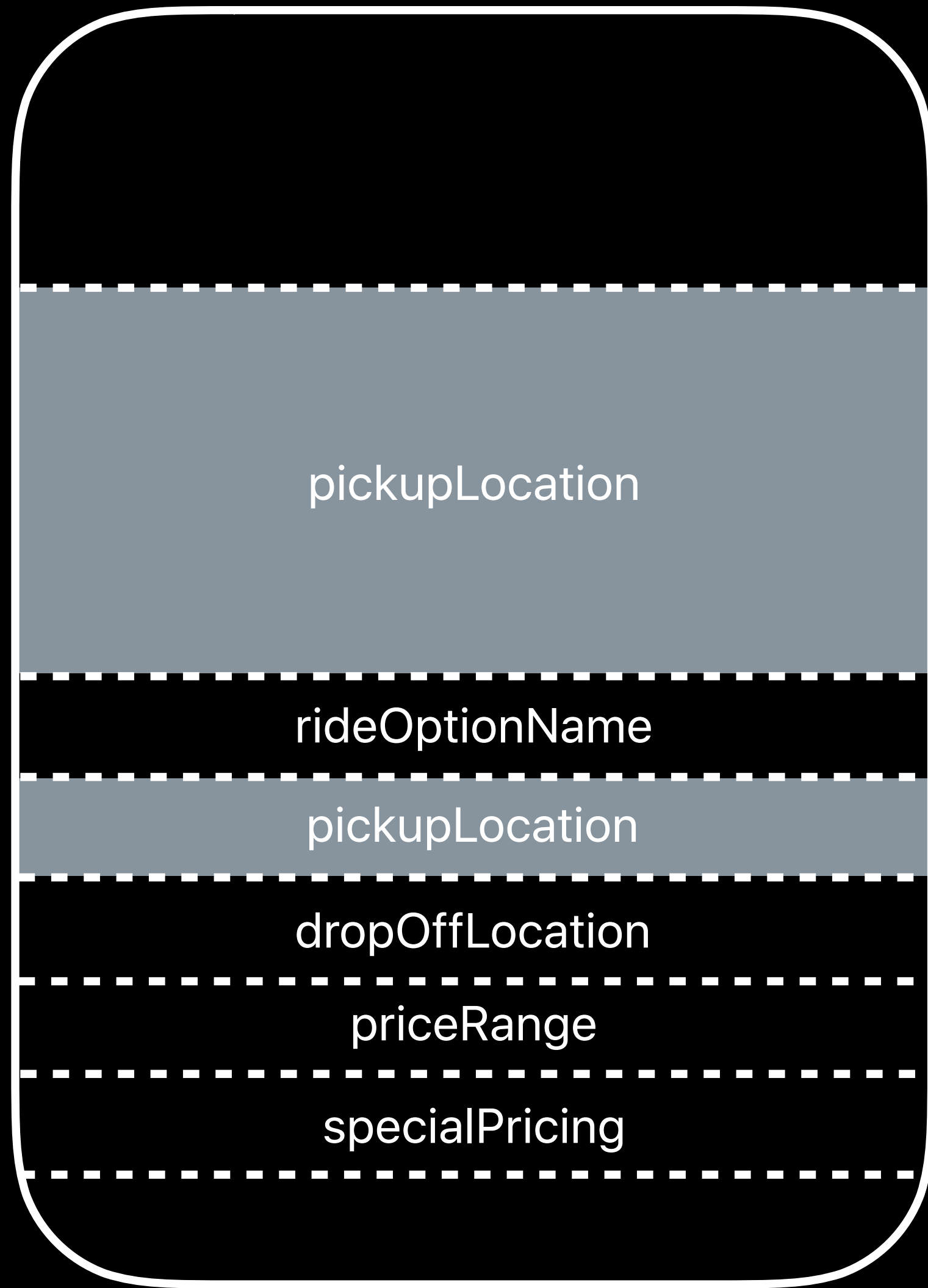
UI Extension

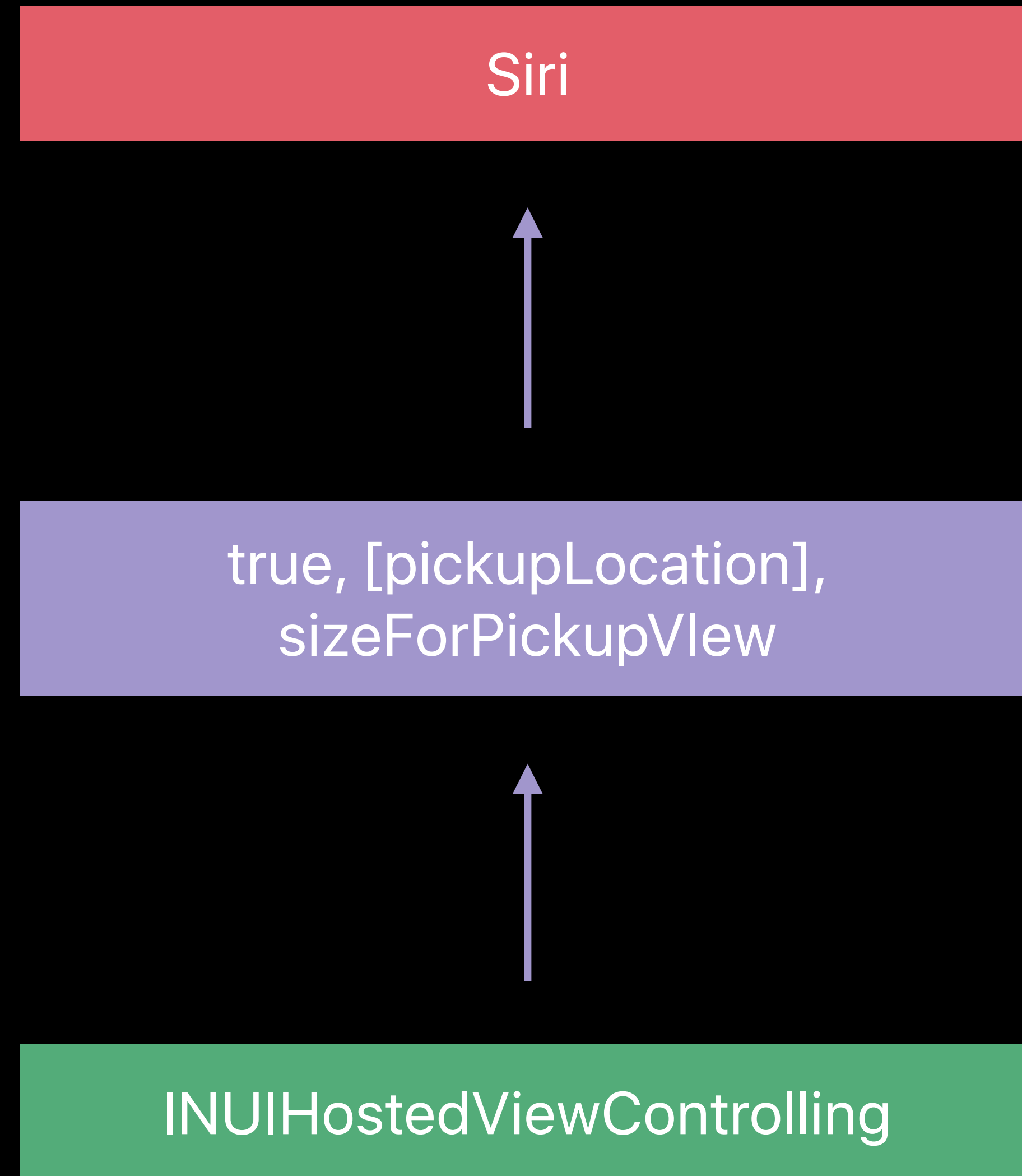
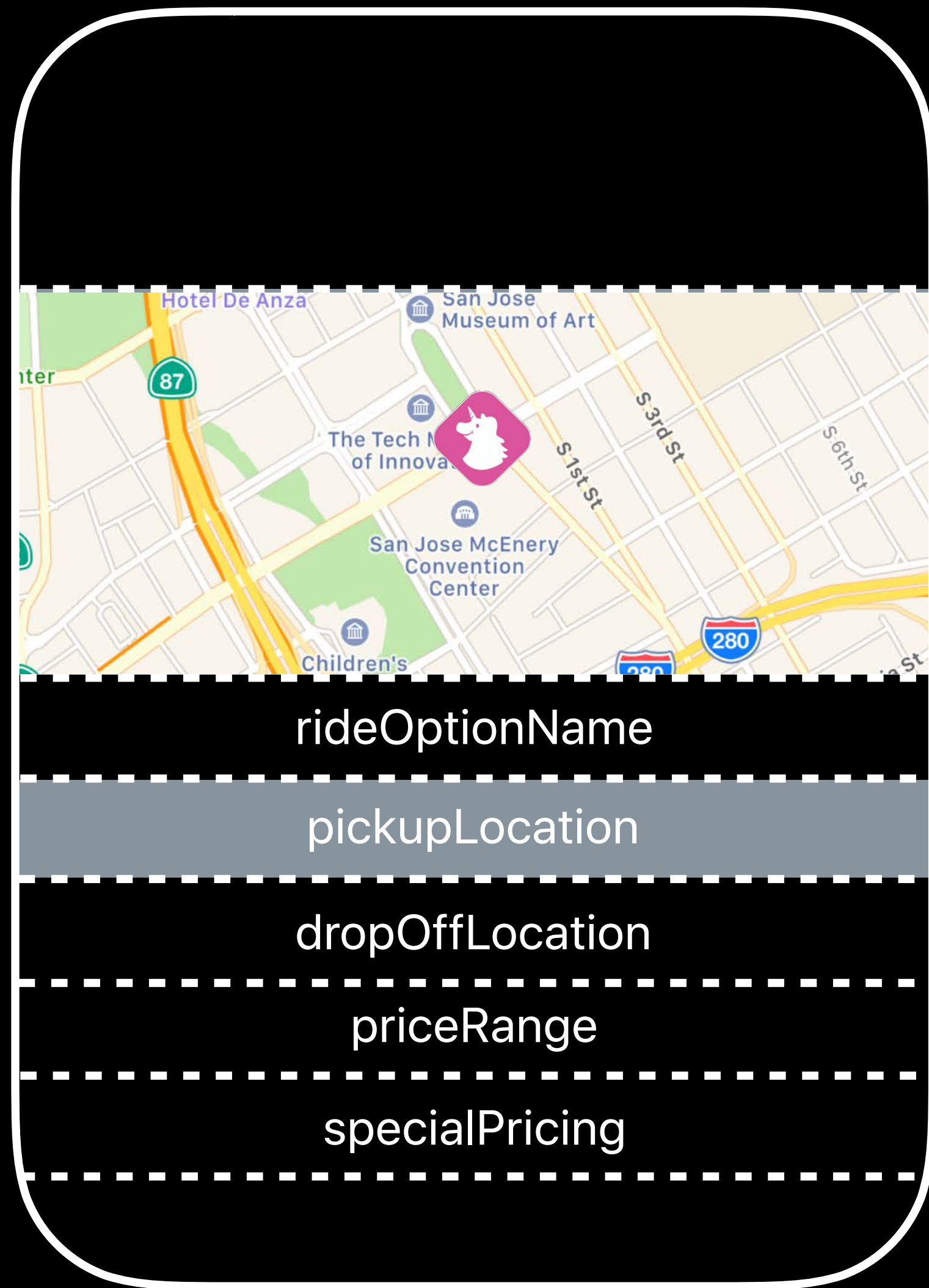


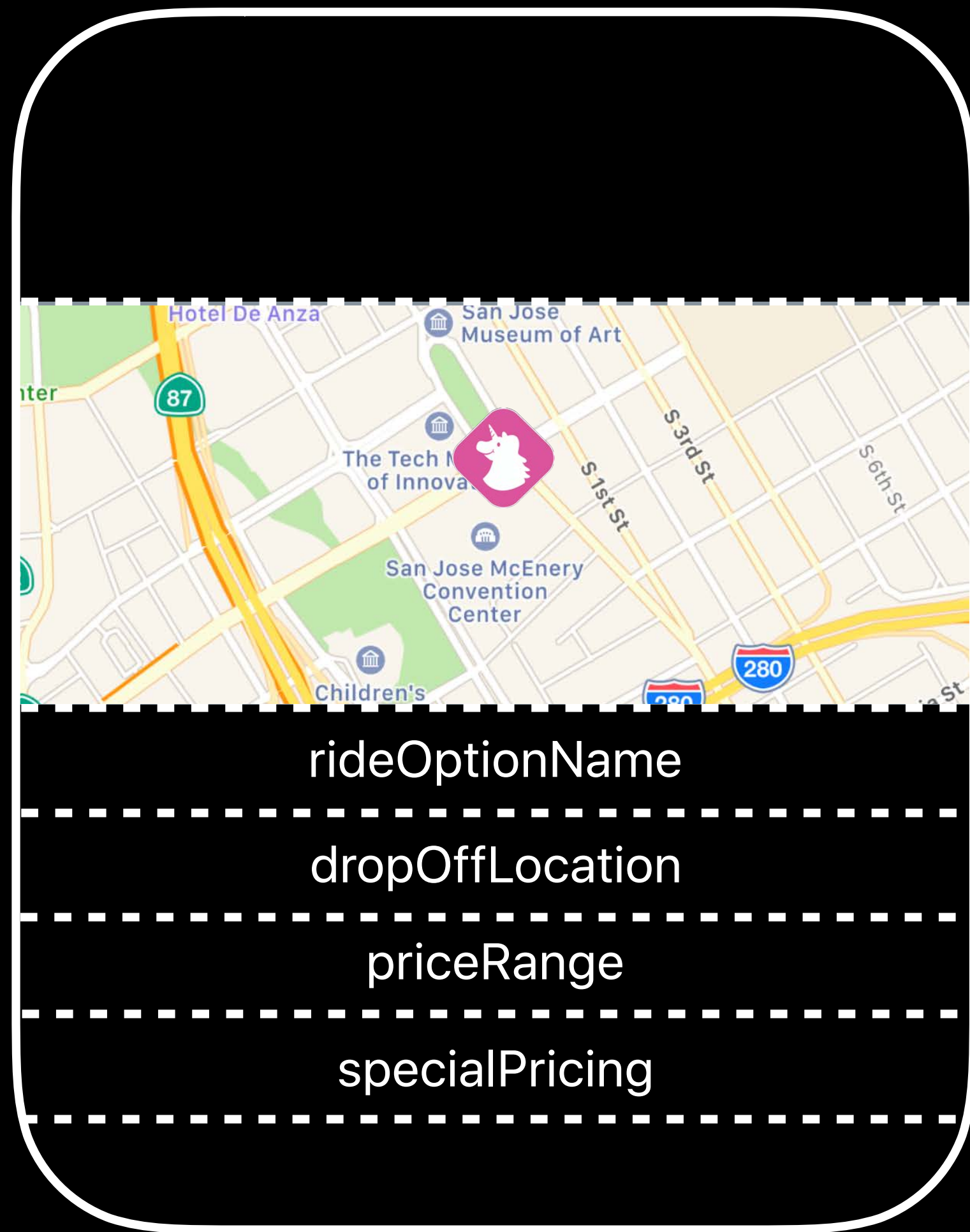


Siri

INUIHostedViewControlling







Siri

Siri



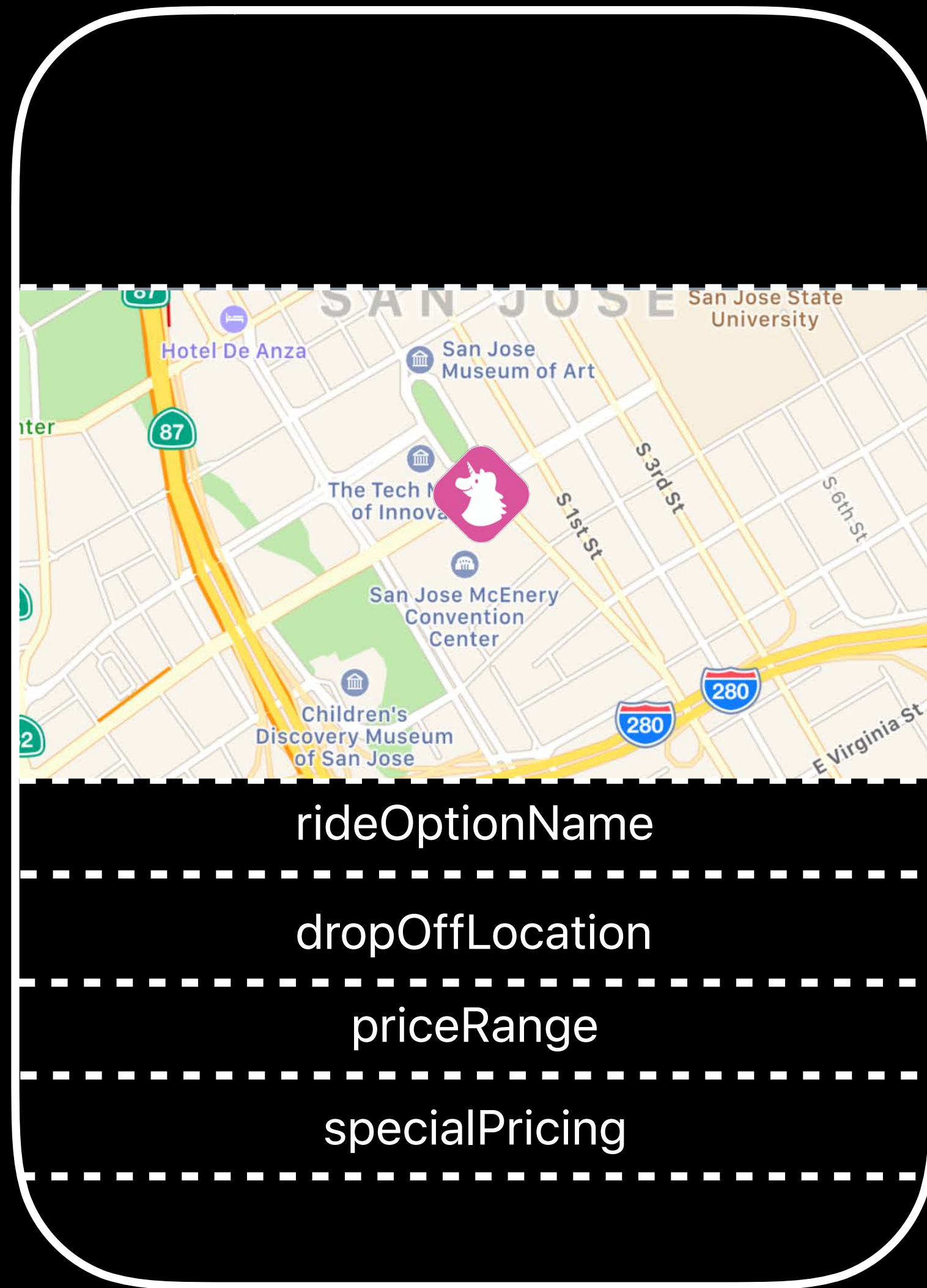
true, [pickupLocation],
sizeForPickupView

true, [pickupLocation],
sizeForPickupView



INUIHostedViewControlling

INUIHostedViewControlling



Siri



true, [pickupLocation],
sizeForPickupView



INUIHostedViewControlling

```
// Configure Pickup Location

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {

    let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self,
parameterKeyPath: #keyPath(INRequestRideIntent.pickupLocation))

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Pickup Location

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {

    let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self,
parameterKeyPath: #keyPath(INRequestRideIntent.pickupLocation))

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Pickup Location

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {

    let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self,
parameterKeyPath: #keyPath(INRequestRideIntent.pickupLocation))

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Pickup Location

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {

    let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self,
parameterKeyPath: #keyPath(INRequestRideIntent.pickupLocation))

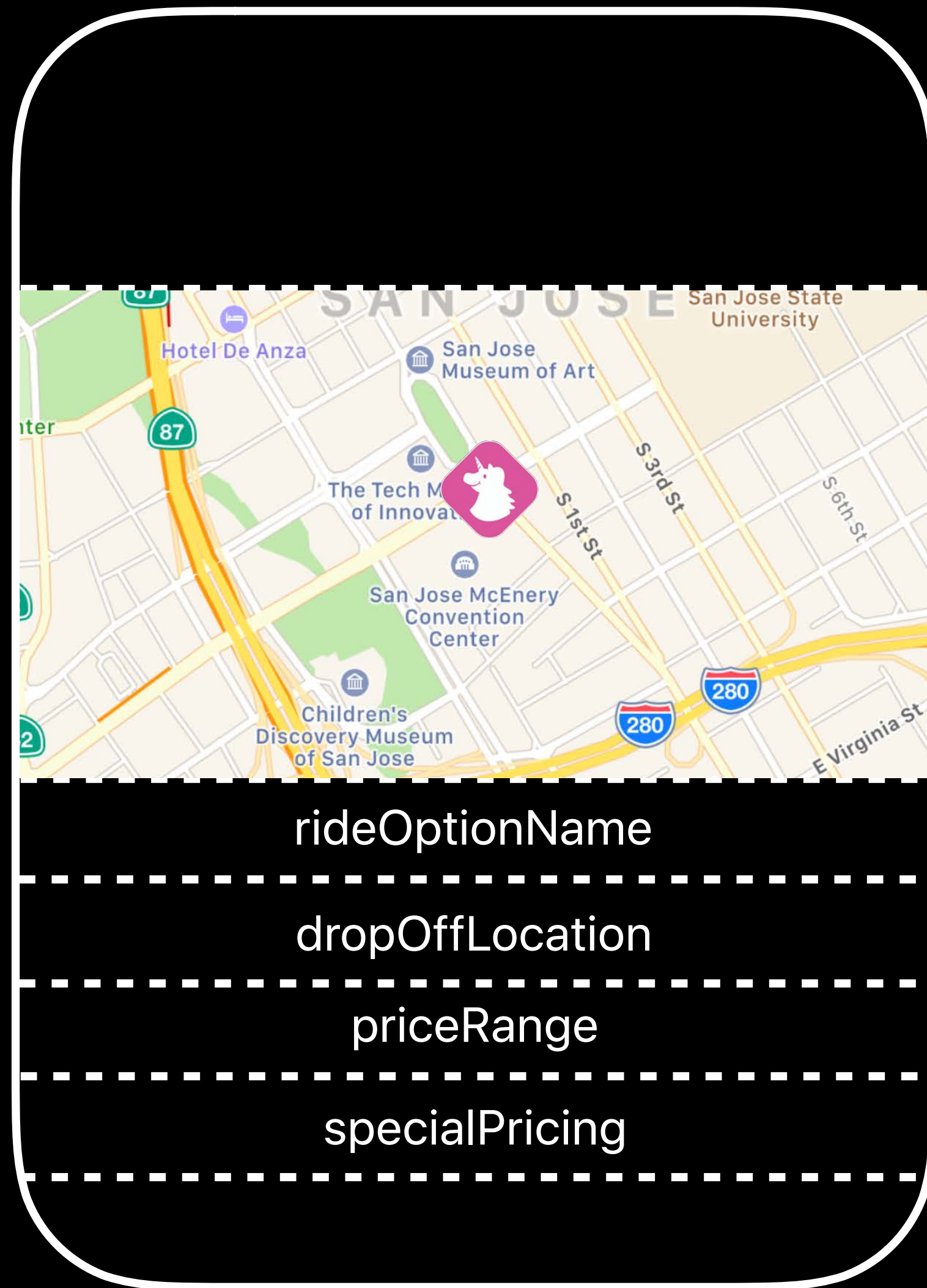
    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Pickup Location

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {

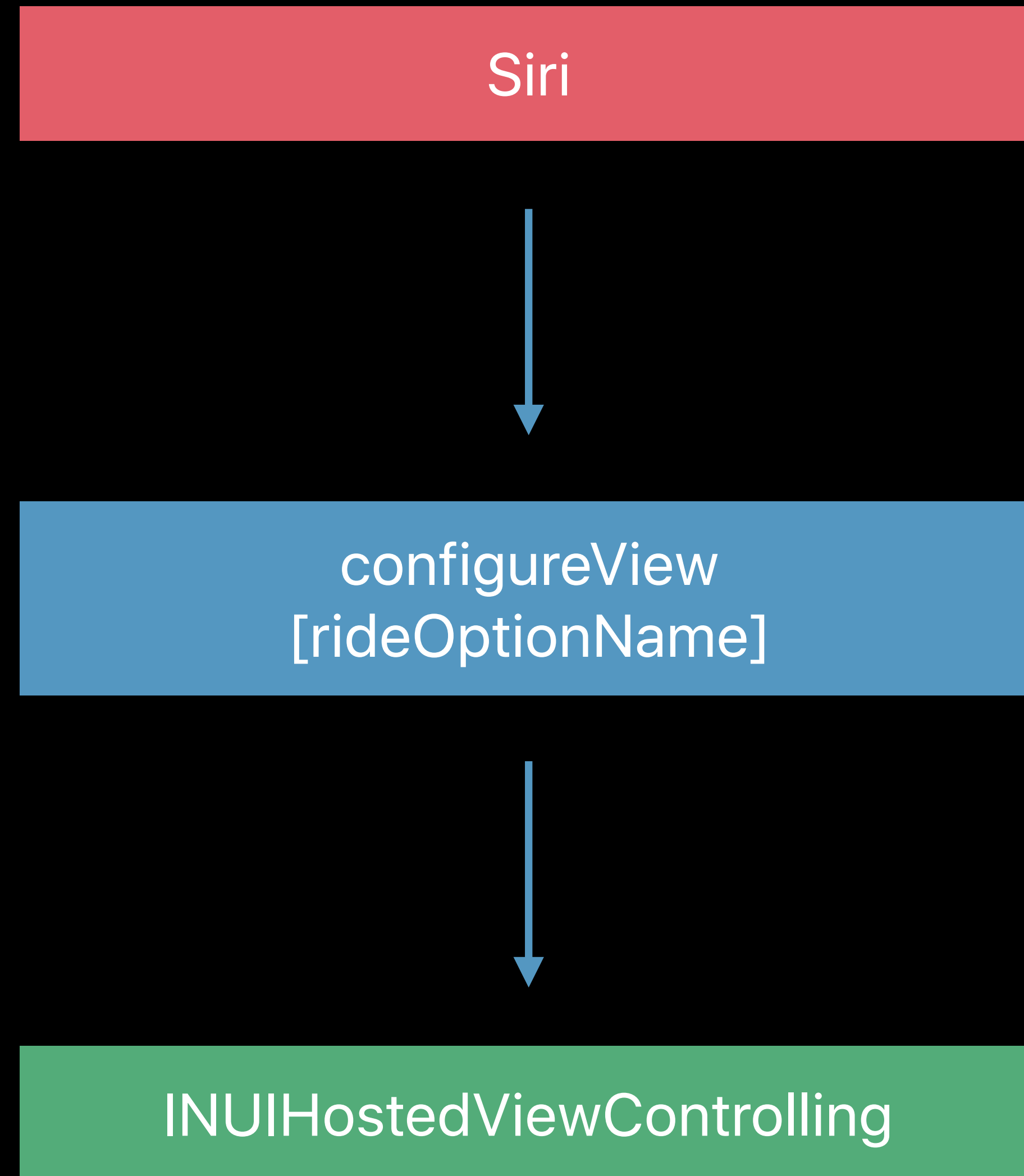
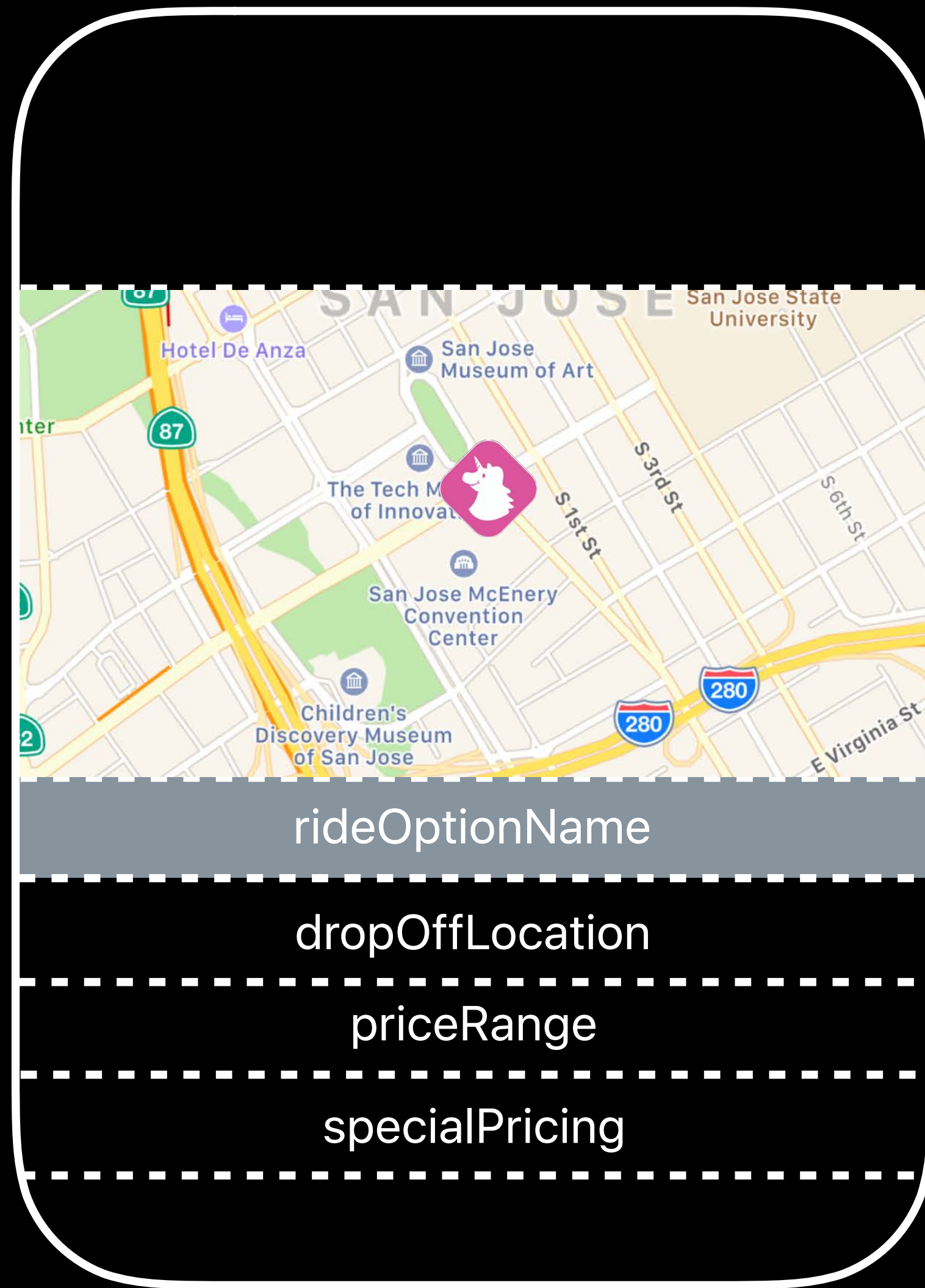
    let pickupLocation = INParameter(parameterClass: INRequestRideIntent.self,
parameterKeyPath: #keyPath(INRequestRideIntent.pickupLocation))

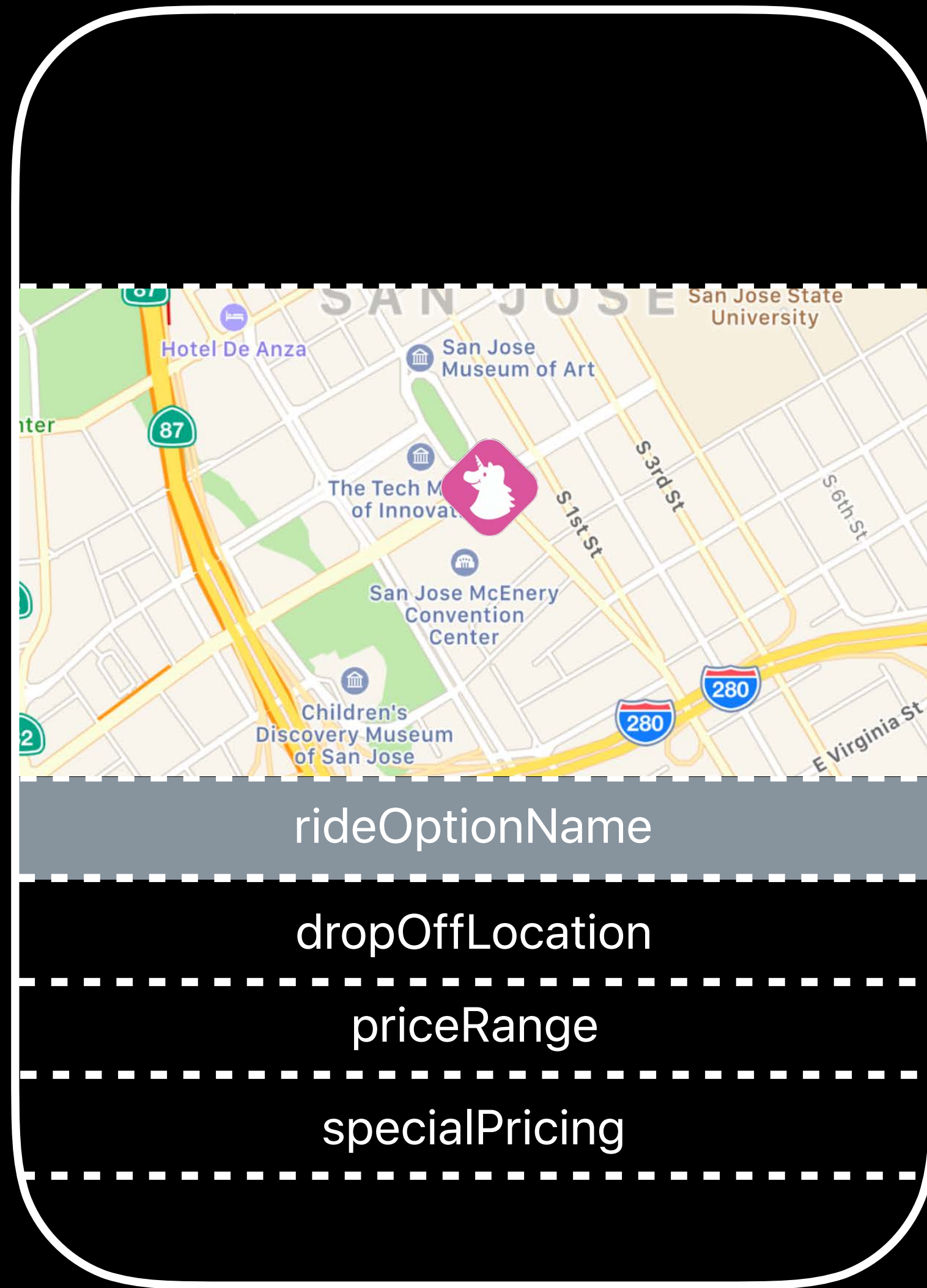
    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

Siri

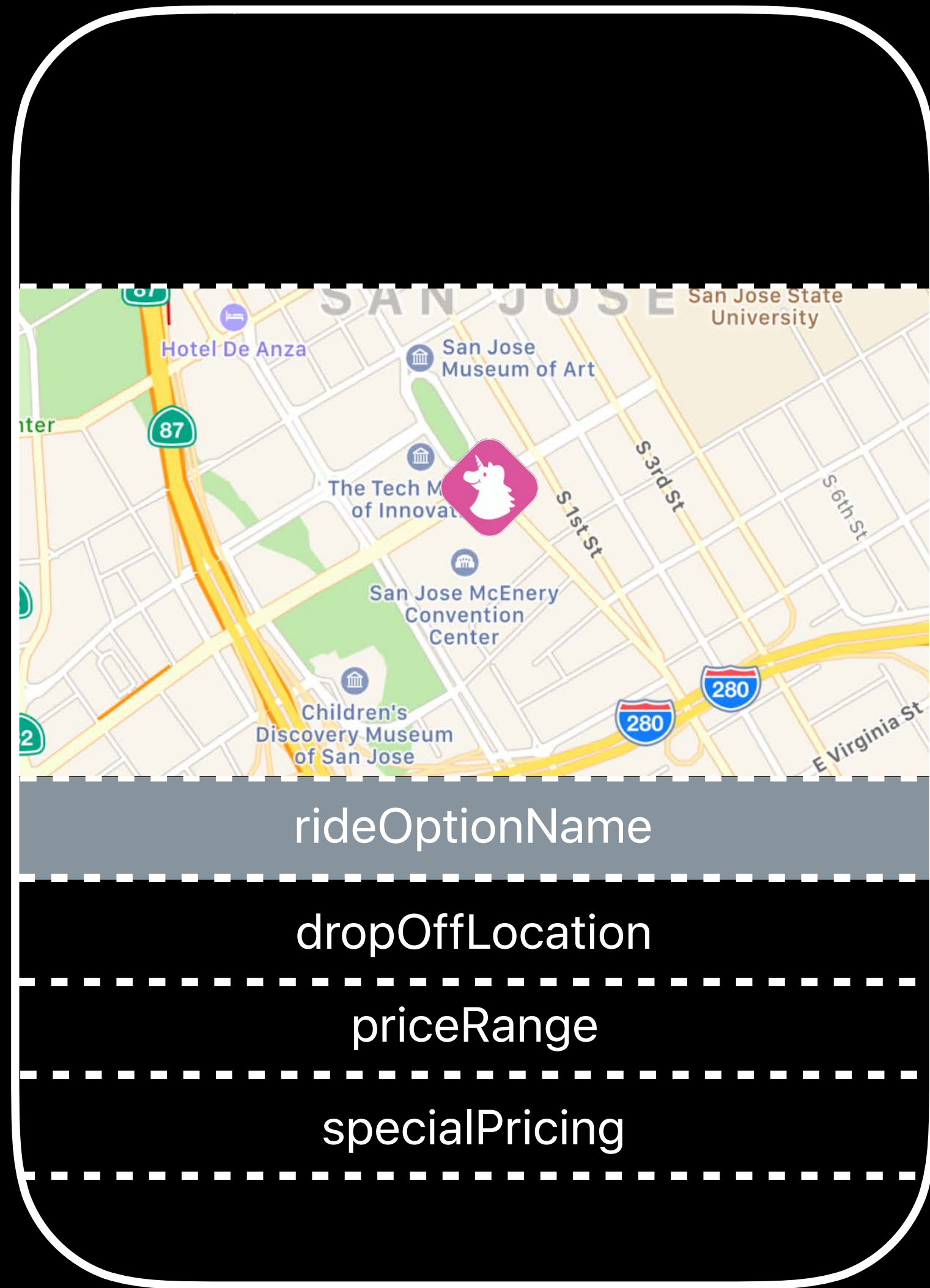
INUIHostedViewControlling





Siri

INUIHostedViewControlling



Siri

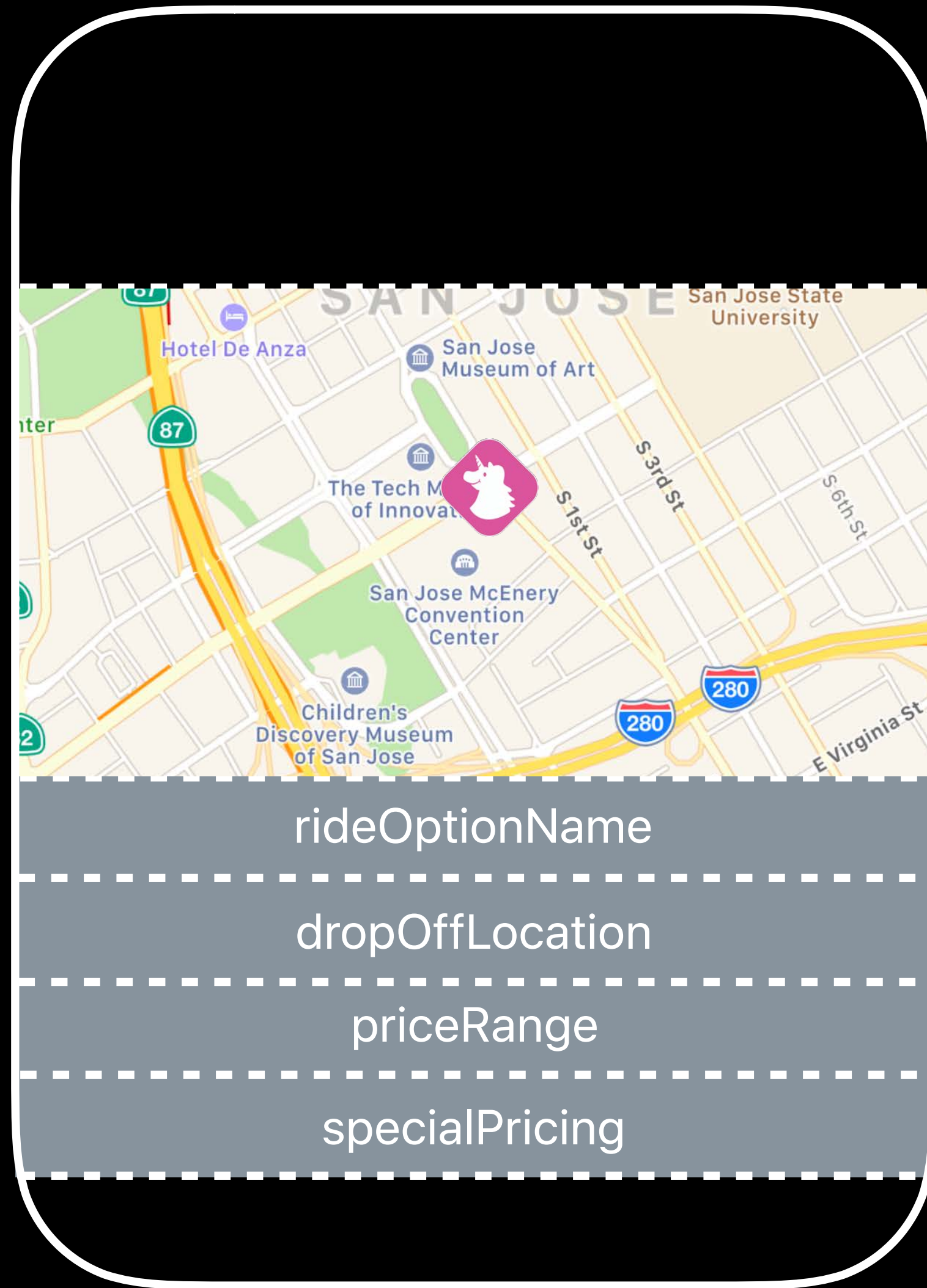
`true, [rideOptionName,
dropOffLocation, priceRange,
specialPricing], sizeForDetailView`

INUIHostedViewControlling

Siri

`true, [rideOptionName,
dropOffLocation, priceRange,
specialPricing], sizeForDetailView`

INUIHostedViewControlling



Siri

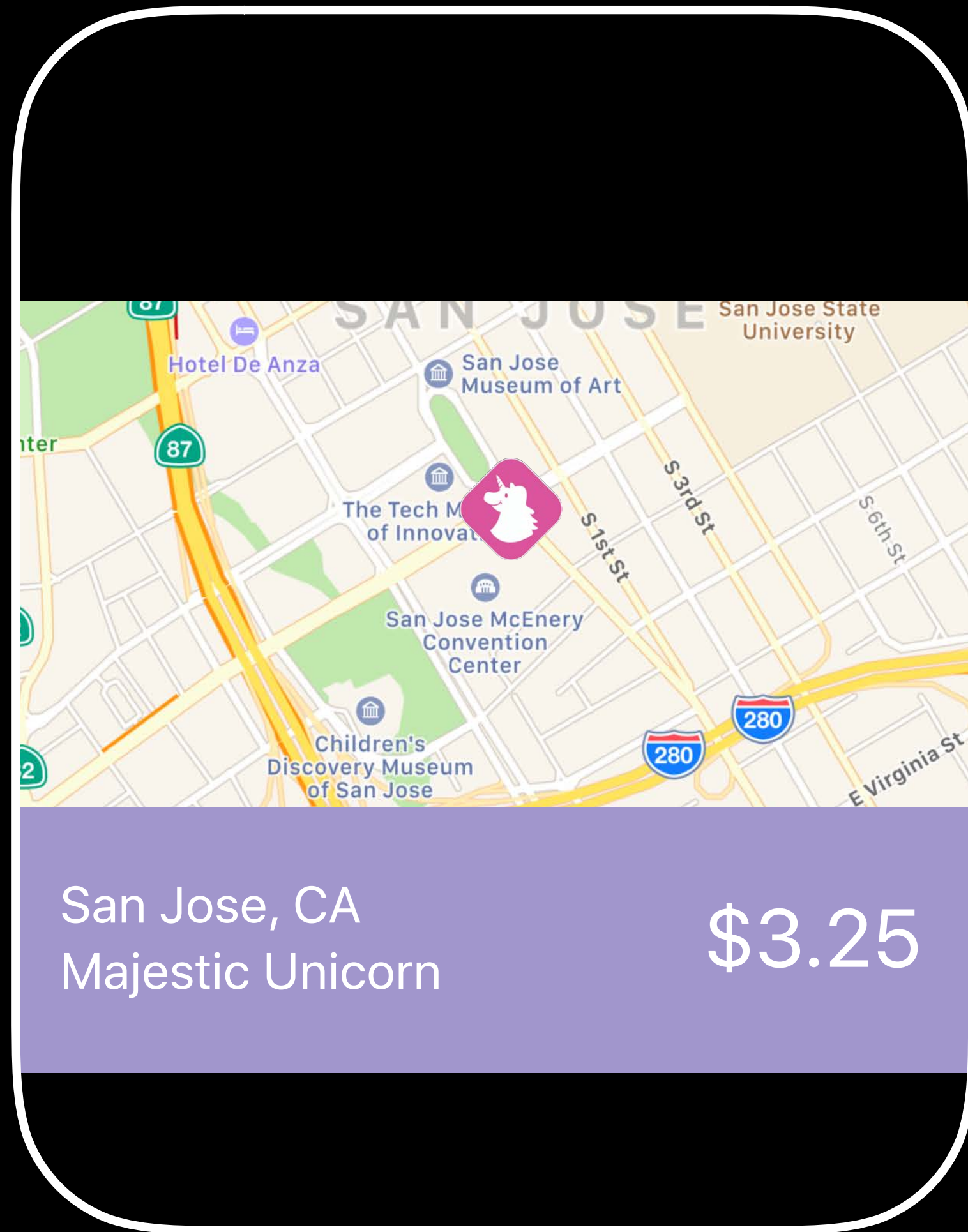
true, [rideOptionName,
dropOffLocation, priceRange,
specialPricing], sizeForDetailView

INUIHostedViewControlling

Siri

true, [rideOptionName,
dropOffLocation, priceRange,
specialPricing], sizeForDetailView

INUIHostedViewControlling



Siri

true, [rideOptionName,
dropOffLocation, priceRange,
specialPricing], sizeForDetailView

INUIHostedViewControlling



```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```



```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```

```
// Configure Details

func configureView(for parameters: Set<INParameter>, of interaction: INInteraction, context:
    INUIHostedViewContext, completion: @escaping (Bool, Set<INParameter>, CGSize) -> Void) {
    // Configure parameters.

    if parameters == [pickupLocation] {
        // Configure view for pickup location.
        completion(true, [pickupLocation], self.sizeForPickupView)
    } else if parameters == [rideOptionName] {
        // Configure view for details.
        completion(true, [rideOptionName, dropOffLocation, priceRange, specialPricing],
self.sizeForDetailView)
    } else {
        completion(false, [], CGSize.zero)
    }
}
```



UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25

Special Pricing

Cancel

Request



UNICORNRIDE

Get a Ride

From: 1000 Stockton St \$3.25
To: San Jose, CA



Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

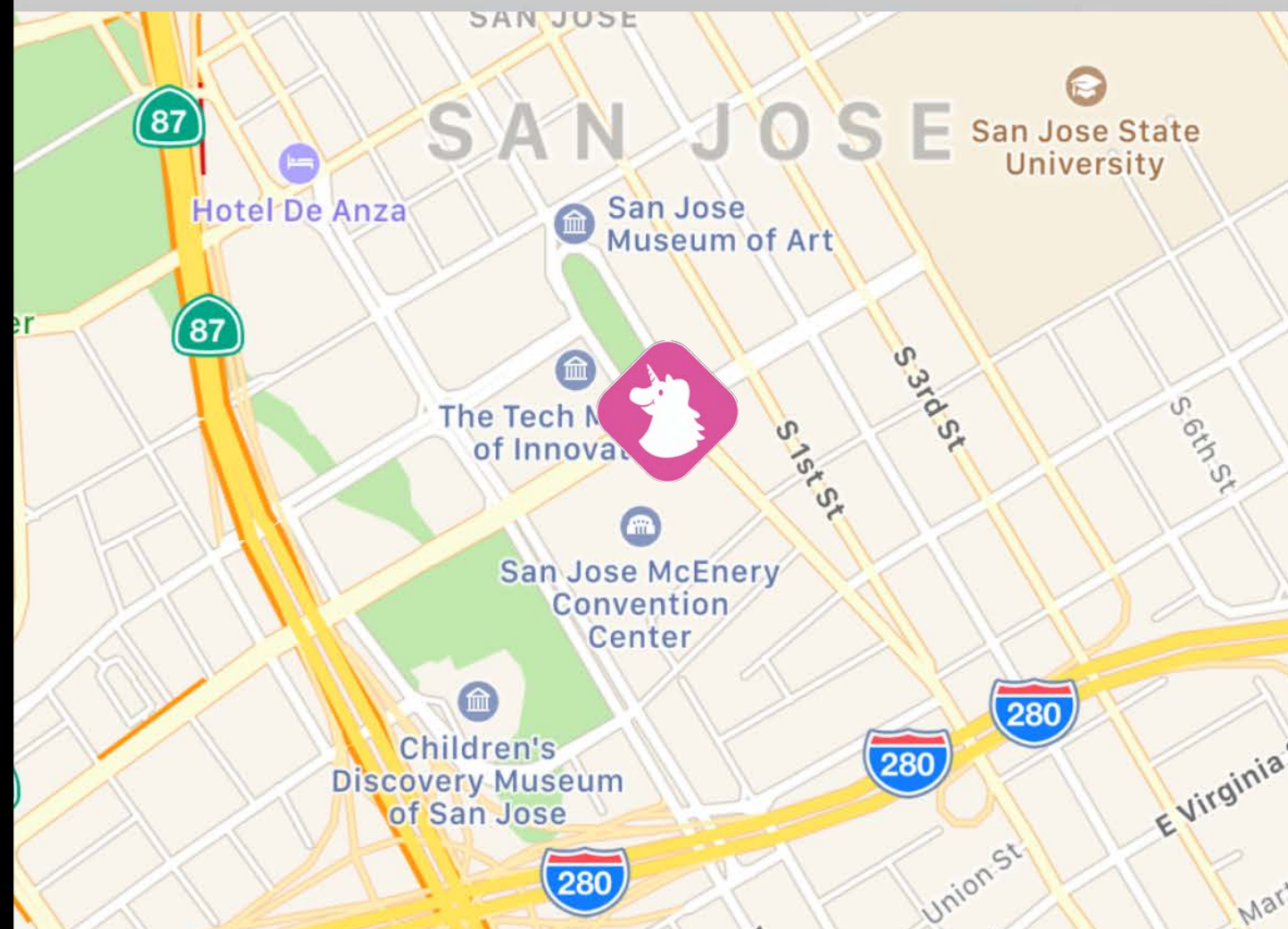
Cancel

Request



UNICORNRIDE

Get a Ride



San Jose, CA \$3.25
Majestic Unicorn

Cancel

Request

Get a Ride

From: 1000 Stockton St To: San Jose, CA \$3.25

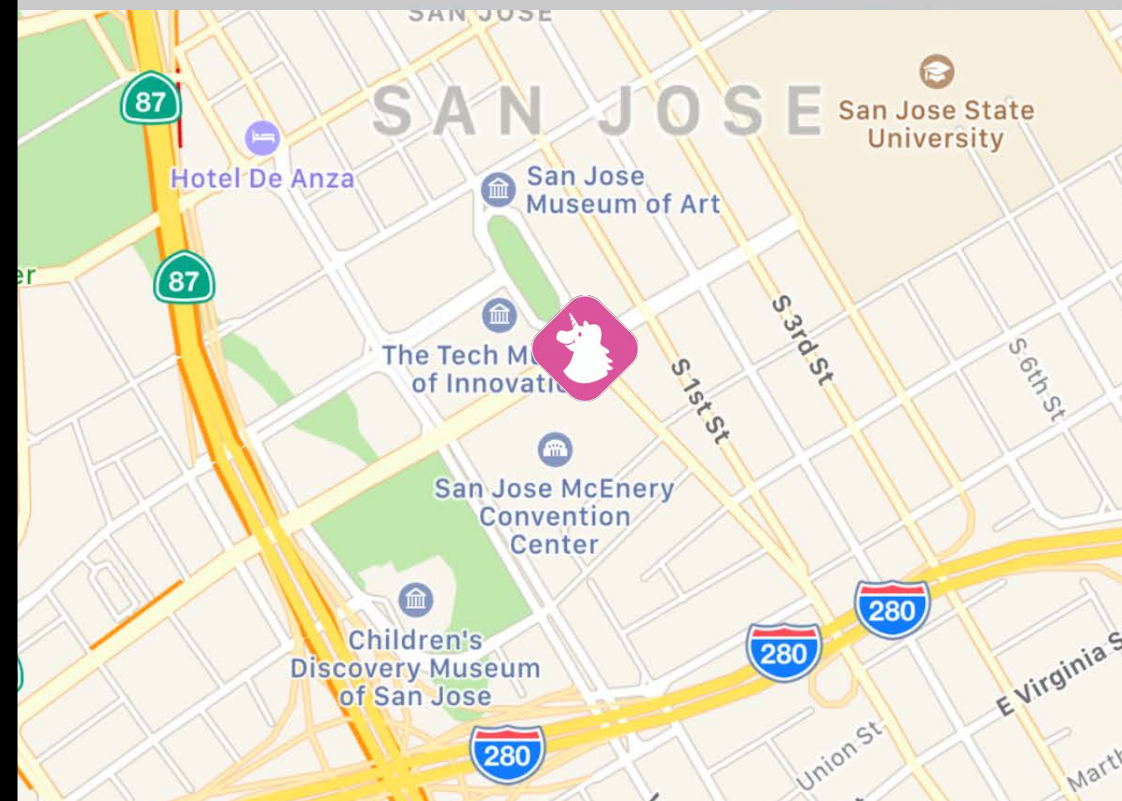


Type	Majestic Unicorn
From	1000 Stockton St
To	San Jose, CA
Fare	\$3.25
Special Pricing	

Cancel

Request

Get a Ride

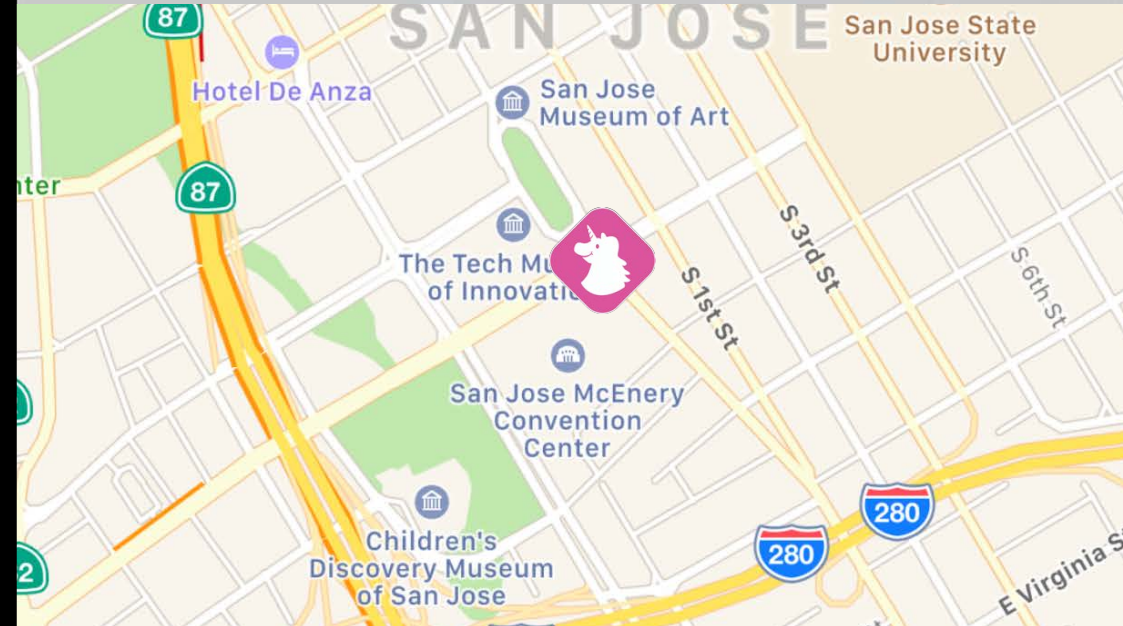


San Jose, CA Majestic Unicorn \$3.25

Cancel

Request

Get a Ride



San Jose, CA Majestic Unicorn

Fare \$3.25

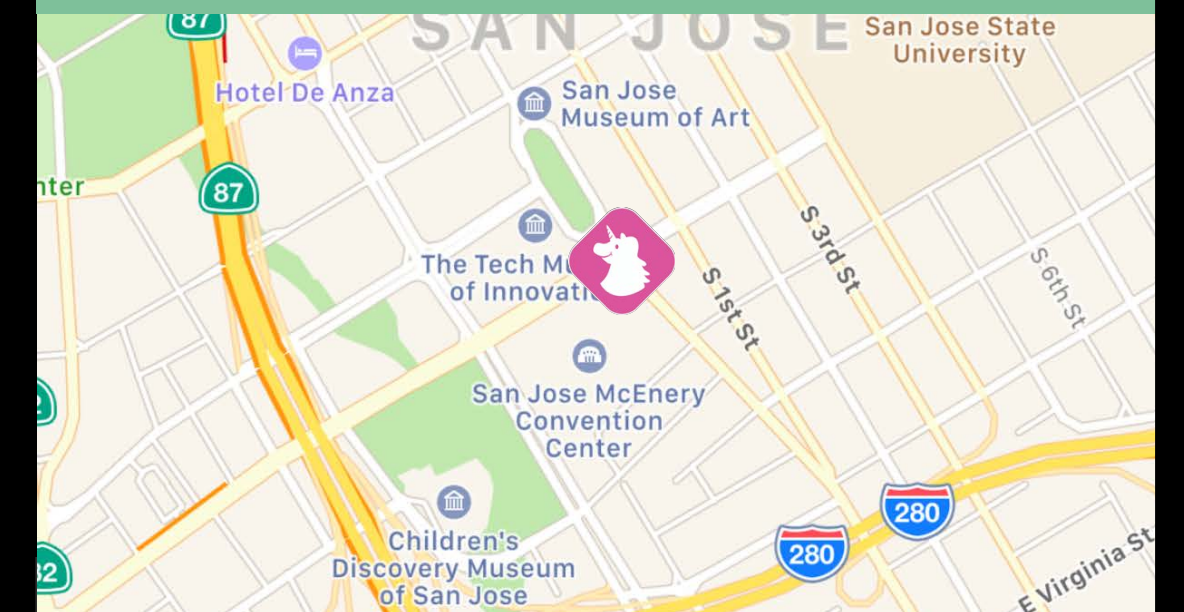
Special Pricing

Cancel

Request

Get a Ride

United Unicorn Co.



San Jose, CA Majestic Unicorn \$3.25

Cancel

Request

Customizing UnicornRide

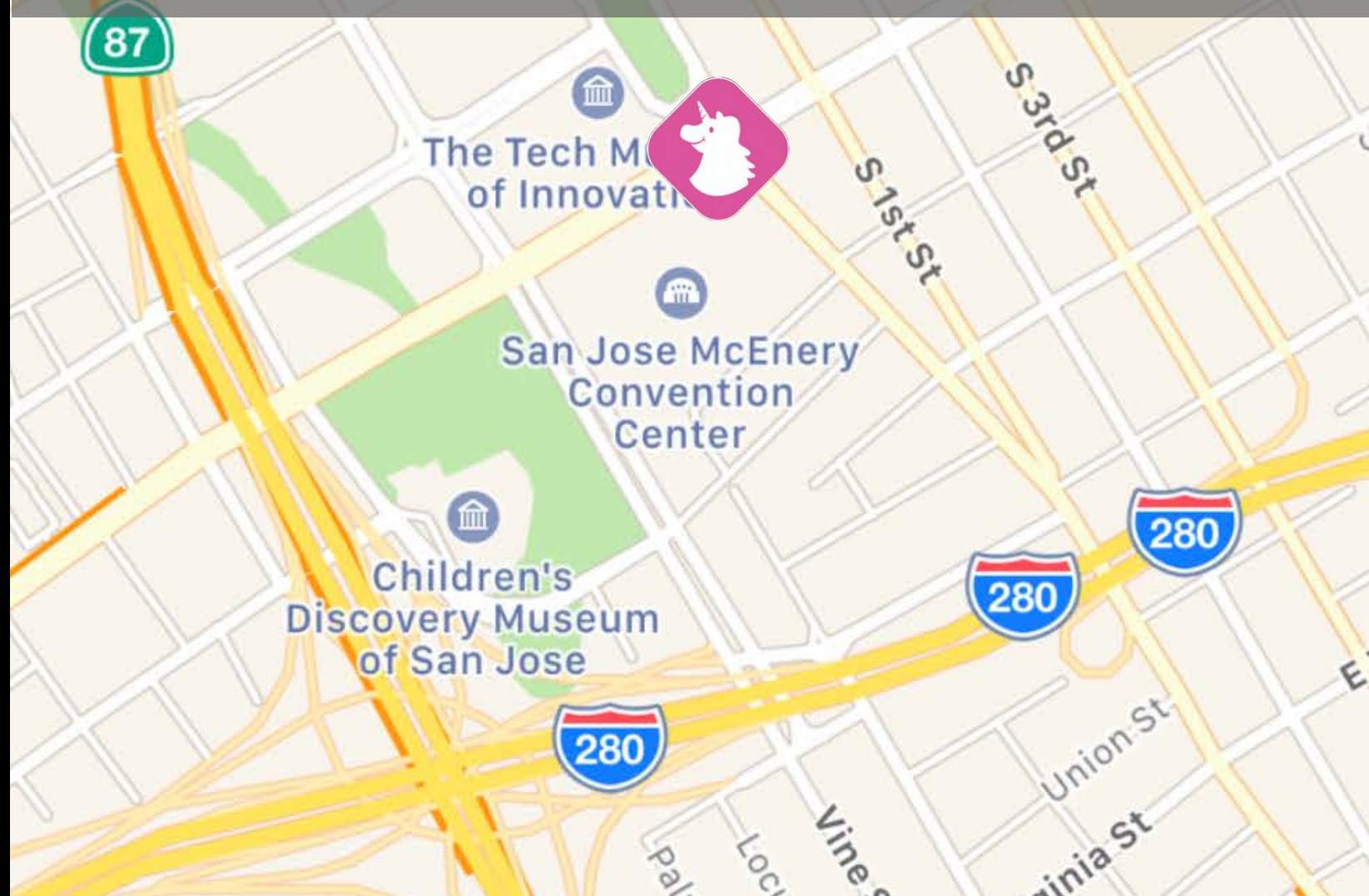


UNICORNRIDE

Get a Ride

United Unicorn Co. - \$3.25

From: 1000 Stockton St
To: San Jose McEnery Convention Center
Type: Majestic Unicorn



Cancel

Request

fare, specialPricing

pickupLocation
dropOffLocation
rideOptionName

Build 2 targets

Run Debug

Test Debug

Profile Release

Analyze Debug

Archive Release

Install Debug

Info Arguments Options Diagnostics

Build Configuration Debug

Executable Ask on Launch

Debug executable

Siri Intent Query Get a ride to the McEnery Convention Center using UnicornRide

Debug Process As Me (tintran-admin) root

Launch Automatically Wait for executable to be launched

Build 2 targets

Run Debug

Test Debug

Profile Release

Analyze Debug

Archive Release

Install Debug

Info Arguments Options Diagnostics

Build Configuration Debug

Executable Ask on Launch

Debug executable

Siri Intent Query Get a ride to the McEnery Convention Center using UnicornRide

Debug Process As Me (tintran-admin) root

Launch Automatically Wait for executable to be launched

Demo

Configuring Parameterized View

Configuring Parameterized View

Called multiple times

Configuring Parameterized View

Called multiple times

Called first with empty set parameters

Configuring Parameterized View

Called multiple times

Called first with empty set parameters

Called in order for the interaction

Configuring Parameterized View

Called multiple times

Called first with empty set parameters

Called in order for the interaction

Handle parameters, size



NEW

```
// Upcoming Seed
```

```
func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
interactiveBehavior: INUIInteractiveBehavior, context: INUIHostedViewContext, completion:  
@escaping (Bool, Set<INParameter>, CGSize) -> Void) {}
```

```
// INUIInteractiveBehavior:
```

```
// .None
```

```
// .Launch
```

```
// .NextView
```

```
// .GenericAction
```



NEW

```
// Upcoming Seed
```

```
func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
interactiveBehavior: INUIInteractiveBehavior, context: INUIHostedViewContext, completion:  
@escaping (Bool, Set<INParameter>, CGSize) -> Void) {}
```

```
// INUIInteractiveBehavior:
```

```
// .None
```

```
// .Launch
```

```
// .NextView
```

```
// .GenericAction
```



NEW

```
// Upcoming Seed
```

```
func configureView(for parameters: Set<INParameter>, of interaction: INInteraction,  
interactiveBehavior: INUIInteractiveBehavior, context: INUIHostedViewContext, completion:  
@escaping (Bool, Set<INParameter>, CGSize) -> Void) {}
```

```
// INUIInteractiveBehavior:
```

```
// .None
```

```
// .Launch
```

```
// .NextView
```

```
// .GenericAction
```

```
// Intents UI Extension Context
```

```
func descriptionOfInterfaceParameters() -> String
```

Additional Enhancements

Additional Enhancements

Additional Enhancements

Background workout app intent handling

Additional Enhancements

Background workout app intent handling

Alternative app names

Additional Enhancements

Background workout app intent handling



Additional Enhancements

Background workout app intent handling

Extension

```
INStartWorkoutIntentResponse(code: .continueInApp , userActivity: activity)
```

App

```
func application(_ application: UIApplication, continue userActivity: NSUserActivity) {...}
```

Additional Enhancements

Background workout app intent handling



NEW

Extension

```
INStartWorkoutIntentResponse(code: .handleInApp , userActivity: activity)
```

App

```
func application(_ application: UIApplication, handleIntent intent: INIntent ,  
                completionHandler: @escaping (INIntentResponse) -> Void) {
```

Additional Enhancements

Background workout app intent handling



NEW

Extension

```
INStartWorkoutIntentResponse(code: .handleInApp , userActivity: activity)
```

App

```
func application(_ application: UIApplication, handleIntent intent: INIntent ,  
                completionHandler: @escaping (INIntentResponse) -> Void) {
```

Additional Enhancements

Background workout app intent handling



NEW

Extension

```
INStartWorkoutIntentResponse(code: .handleInApp , userActivity: activity)
```

App

```
func application(_ application: UIApplication, handleIntent intent: INIntent ,  
                completionHandler: @escaping (INIntentResponse) -> Void) {
```

Additional Enhancements

Background workout app intent handling



Additional Enhancements

Background workout app intent handling



Extension

Additional Enhancements

Background workout app intent handling



handle(...)



Extension



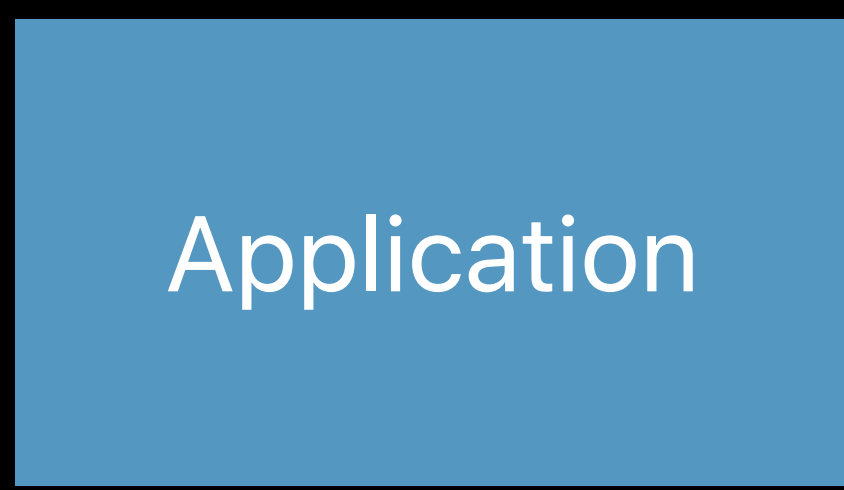
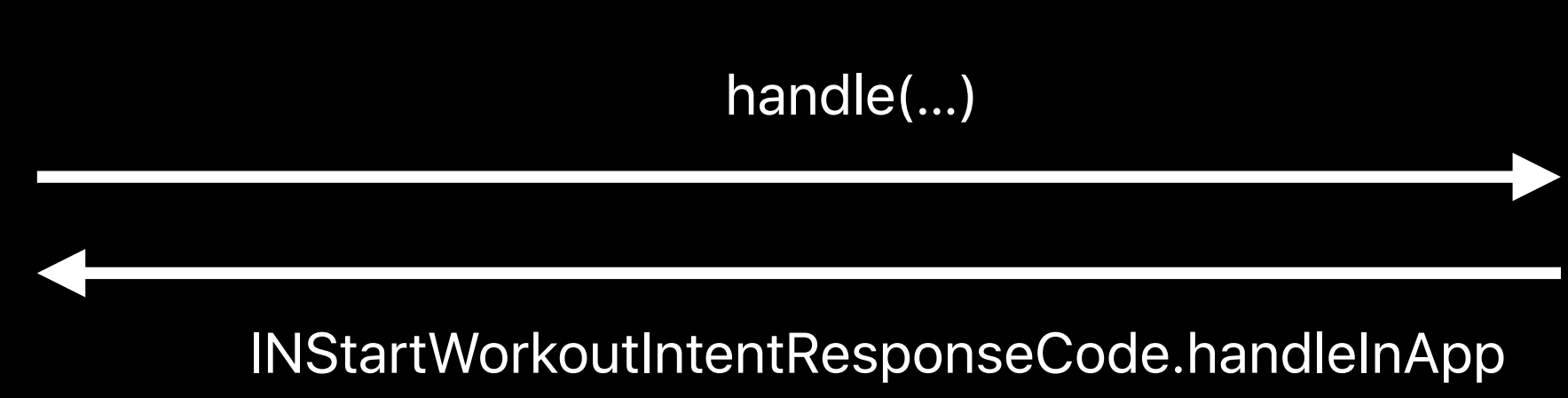
Additional Enhancements

Background workout app intent handling



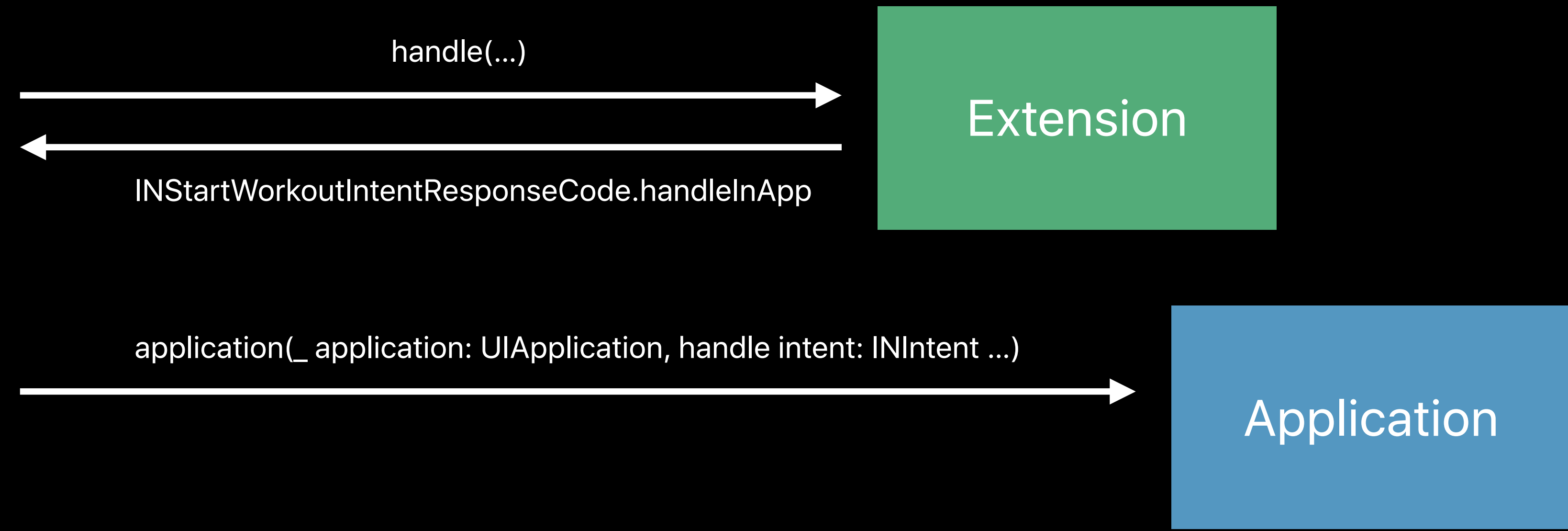
Additional Enhancements

Background workout app intent handling



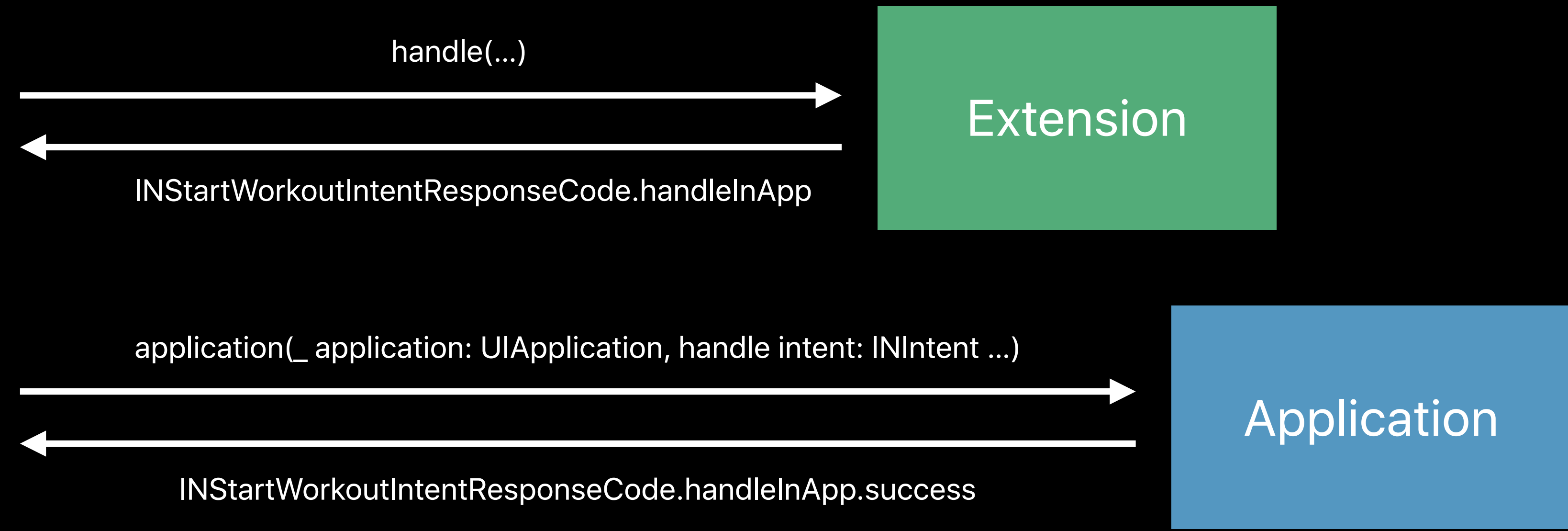
Additional Enhancements

Background workout app intent handling



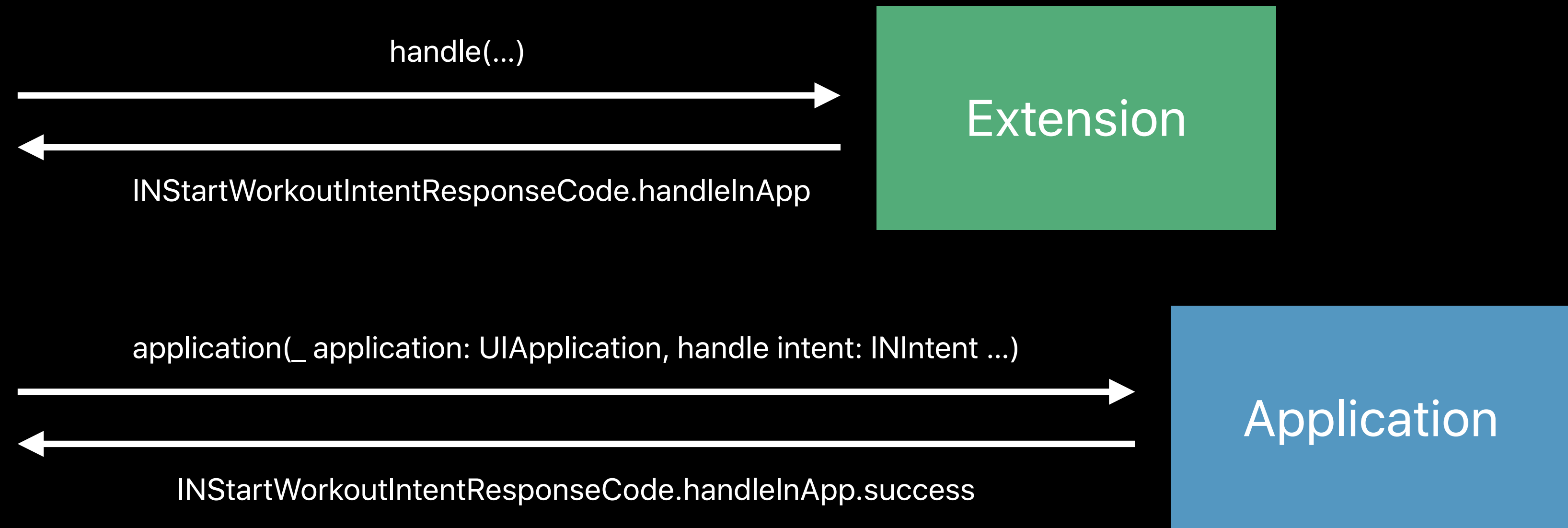
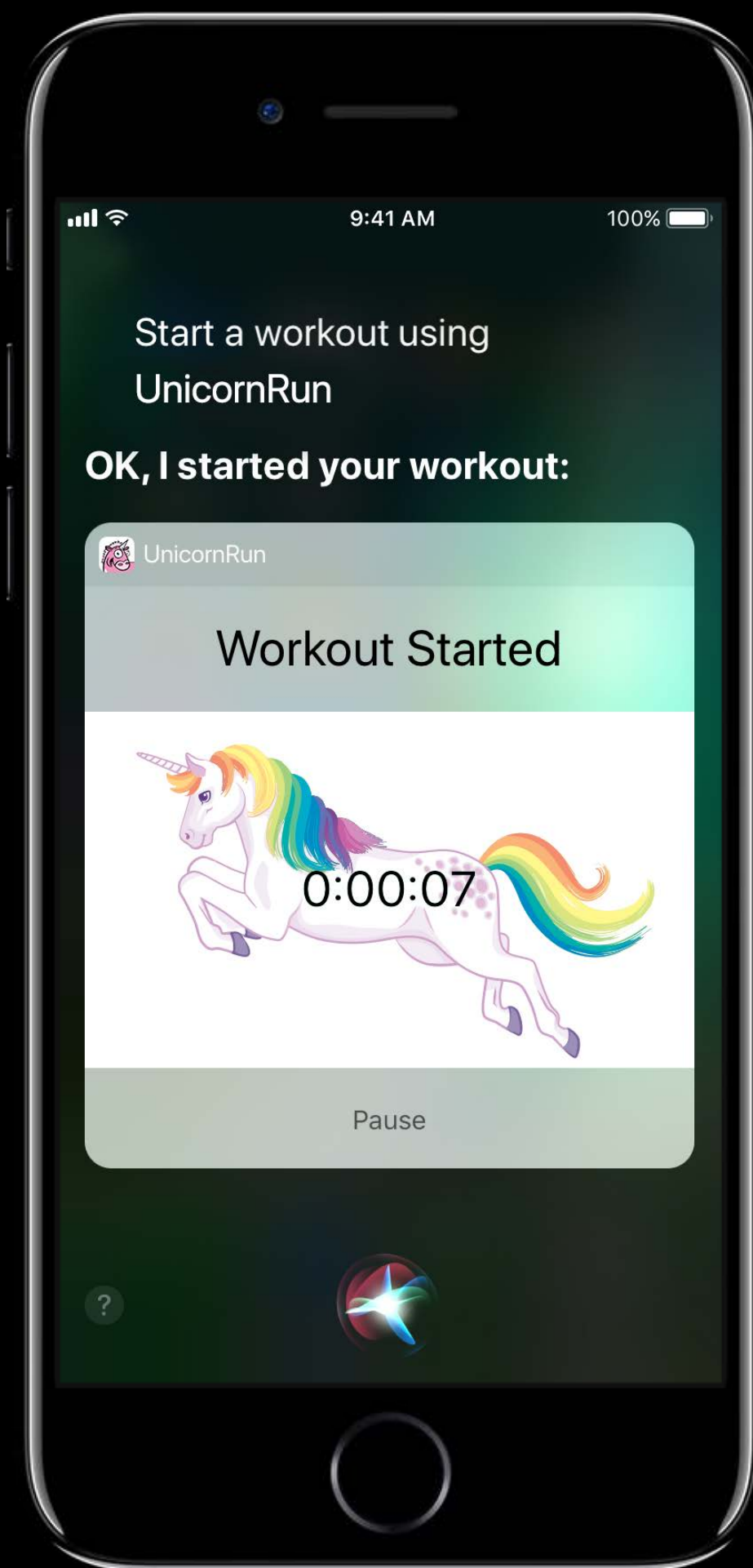
Additional Enhancements

Background workout app intent handling



Additional Enhancements

Background workout app intent handling



Additional Enhancements

Alternative app names

Additional Enhancements

Alternative app names

"Show my accounts in UnicornPay"

"Show my accounts in Unicorn"

"Show my accounts in CornPay"



UnicornPay

Additional Enhancements

Alternative app names

NEW

Bundle identifier	↕	String	\$(PRODUCT_BUNDLE_IDENTIFIER)
InfoDictionary version	↕	String	6.0
Bundle name	↕	String	\$(PRODUCT_NAME)
Bundle OS Type code	↕	String	APPL
Bundle versions string, short	↕	String	1.0
Bundle version	↕	String	1
▼ INAlternativeAppNames	↕	Array	(2 items)
▼ Item 0		Dictionary	(2 items)
INAlternativeAppName		String	CornPay
INAlternativeAppNamePronunci...		String	korn pay
▼ Item 1		Dictionary	(2 items)
INAlternativeAppName		String	Unicorn
INAlternativeAppNamePronunci...		String	you ni korn
Minimum system version	↕	String	↕ \$(MACOSX_DEPLOYMENT_TARGET)

Additional Enhancements

Alternative app names

NEW

Bundle identifier	↕	String	\$(PRODUCT_BUNDLE_IDENTIFIER)
InfoDictionary version	↕	String	6.0
Bundle name	↕	String	\$(PRODUCT_NAME)
Bundle OS Type code	↕	String	APPL
Bundle versions string, short	↕	String	1.0
Bundle version	↕	String	1
▼ INAlternativeAppNames	↕	Array	(2 items)
▼ Item 0		Dictionary	(2 items)
INAlternativeAppName		String	CornPay
INAlternativeAppNamePronunci...		String	korn pay
▼ Item 1		Dictionary	(2 items)
INAlternativeAppName		String	Unicorn
INAlternativeAppNamePronunci...		String	you ni korn
Minimum system version	↕	String	↕ \$(MACOSX_DEPLOYMENT_TARGET)

Summary

Summary

All new domains and intents

Summary

All new domains and intents

UI customizations

Summary

All new domains and intents

UI customizations

Improved user experience



More Information

<https://developer.apple.com/videos/play/wwdc2017/214>

Related Sessions

[Making Great SiriKit Experiences](#)

Hall 2

Thursday 11:00AM

[Introducing SiriKit](#)

WWDC 2016

[Extending Your Apps with SiriKit](#)

WWDC 2016

Labs

SiriKit Lab

Technology Lab B

Wed 3:10PM–5:00PM

SiriKit Lab

Technology Lab C

Fri 9:00AM–12:00PM

