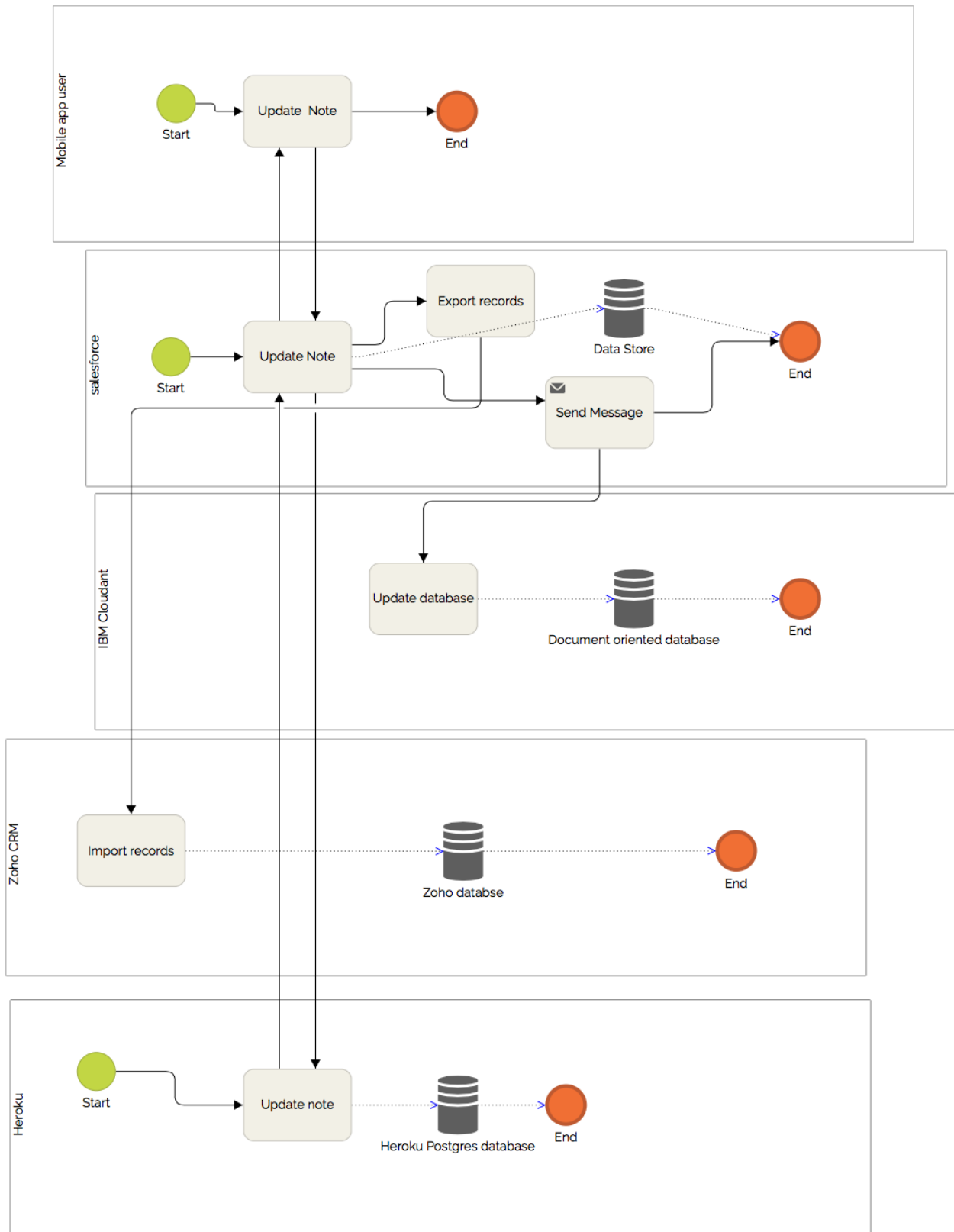



- *BPMN modal*



- *Salesforce maintain a custom object: Note*

 **Setup** > **Object Manager**

**Note**

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Object Limits

Record Types

Related Lookup Filters

Search Layouts

Triggers

Details

Edit

Delete

Description

API Name

Note\_\_c

Custom

✓

Singular Label

Note

Plural Label

Notes

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Fields & Relationships

5 Items, Sorted by Field Label

Find in page

New

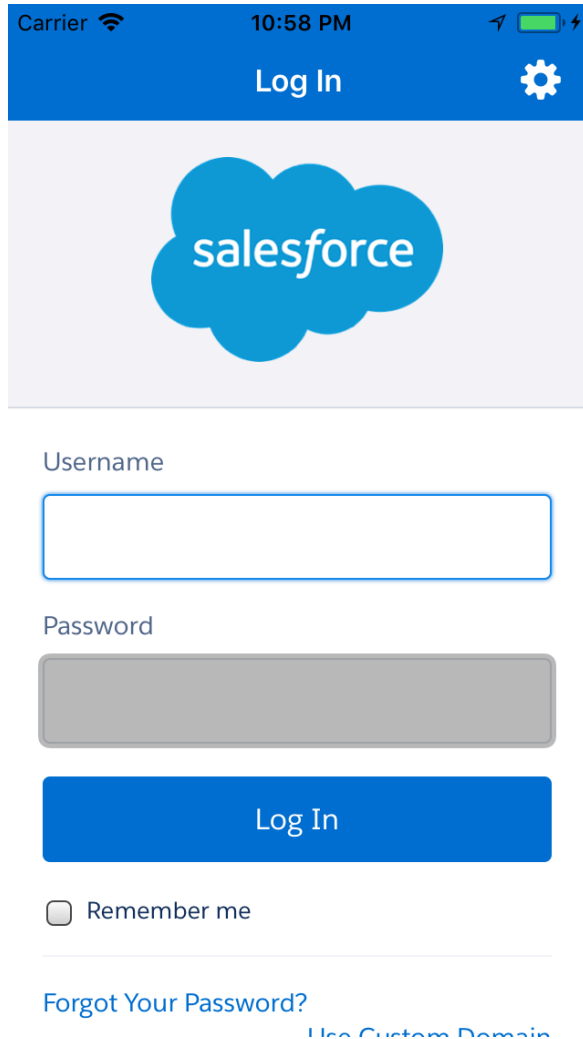
Field Dependencies

Set History Tracking

Field Label	Field Name	Data Type	Controlling Field	Indexed
Content	Content__c	Text Area(255)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Title	Name	Text(80)		✓

- *Develop an ios app using Salesforce mobile sdk*

*Login & authorize*



Carrier 10:58 PM

Log In

salesforce

Username

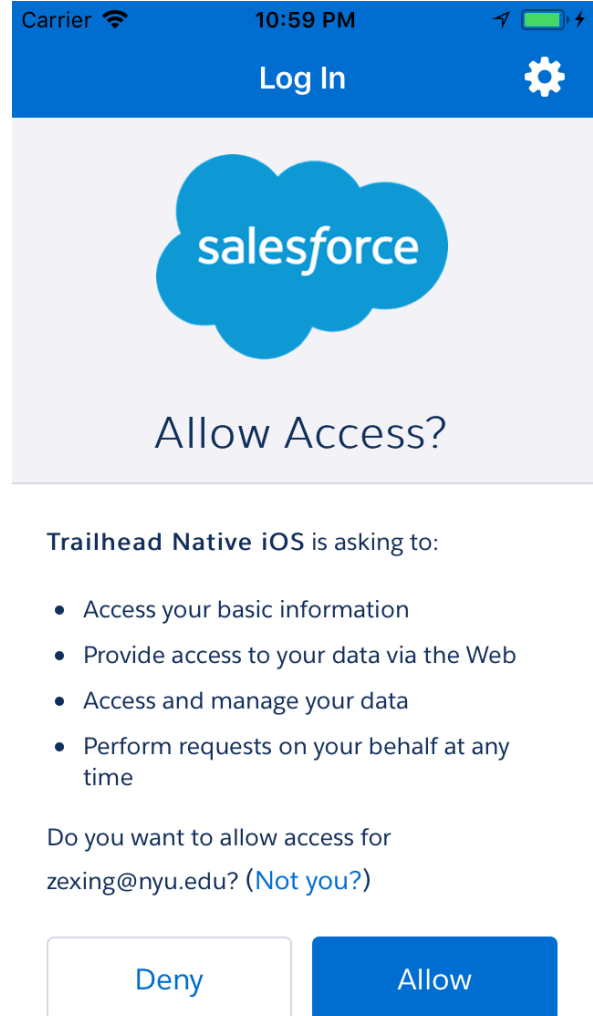
Password

Log In

☐ Remember me

Forgot Your Password?

Use Custom Domain



Carrier 10:59 PM

Log In

salesforce

Allow Access?

Trailhead Native iOS is asking to:

- Access your basic information
- Provide access to your data via the Web
- Access and manage your data
- Perform requests on your behalf at any time

Do you want to allow access for zexing@nyu.edu? ([Not you?](#))

Deny Allow

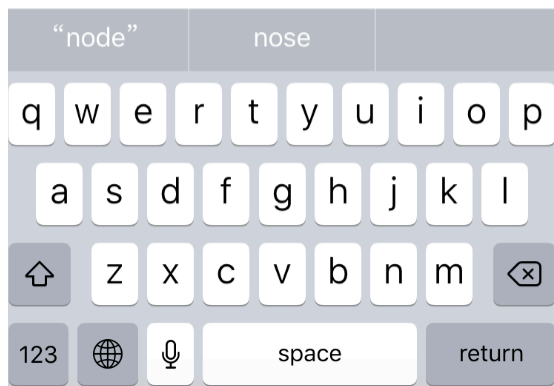
## Create

Mint 下午11:03

Cancel Write Note Save

CREATE

Create a new node



## Read

Mint 下午11:04

Notes +

Final tes >

Im one the train >

Try delete >

Differ from cancel >

touchy >

CREATE >

No actually >

djaslkd >

## Update

Mint 下午11:06

< Notes Save

CREATE

Create a new node  
Have some modifies

“modifies” modified modifiers

q w e r t y u i o p

a s d f g h j k l

⬆ z x c v b n m ⬇

123 地球 麦克风 space return

## Delete

Mint 下午11:05

Notes +

Im one the train >

Try delete >

om cancel > Delete

touchy >

CREATE >

No actually >

djaslkd >

>

>

>

>

>

>

>

- ***SAAS: Use zohoCRM to maintain Note records exported from salesforce***

HomeFeedsLeadsAccountsProjects...

Free EditionUPGRADE

Search icons

Data Migration

UploadModule - File MappingField MappingReviewFinish

Note\_\_c.csv1.25 KBFile Uploaded

Charset Auto-Detect and Drop the files or [Browse Files](#)

Uploaded Files - 1

[Discard Migration](#)

☐ Notify Email

Next

Data Migration

UploadModule - File MappingField MappingReviewFinish

Take a Tour

> MAPPED FILES0

> UNMAPPED FILES1

Note\_\_c.csv

> UNSUPPORTED FILES0

All Modules (16)

Mapped Modules (0)

Unmapped Modules (16)

Search modules and files

Create New Module

AccountsMap files

AttachmentsMap files

CallsMap files

Campaign Mem...Map files

!

Note module creation failed. : Creating new modules is not supported in your edition. Please upgrade to the Enterprise Edition.

×

NOTES

ASSOCIATED FILES

Note\_\_c.csv

UNMAPPED FILES

No files

Save

Cancel

ID	OWNERID	ISDELETED	NAME	CREATEDDATE
a011I00000AwXwLQAV	0051I000000m8RjQAI	0	touchy	2017-12-07 21:
a011I00000AwkzxQAB	0051I000000m8RjQAI	0	Im one the train	2017-12-07 22
a011I00000AwpZxQAJ	0051I000000m8RjQAI	0	No actually	2017-12-07 23
a011I00000AwpbzQAB	0051I000000m8RjQAI	0	djaslkd	2017-12-07 23
a011I00000AwzCJQAZ	0051I000000m8RjQAI	0	Try delete	2017-12-08 03
a011I00000Ax0YvQAJ	0051I000000m8RjQAI	0	CREATE	2017-12-08 04

- *IAAS app to maintain the object*

Heroku Connect

safe-beach-63599...  
(PAUSED)

jason-nyu-0001:D...  
(IDLE)

US (Virginia)

[Overview](#)
[Logs](#)
[Explorer](#)
[External Objects](#)
[Settings](#)
[Upgrade to paid version](#)

Database  
DATABASE\_URL salesforce (Demo Edition)

Salesforce Org ID  
00D1I000002KtFPUA0

Authentication  
zexing@nyu.edu

Activity

Last Hour

No activity data available for that time period

Mappings

+ Create Mapping

Status	Object	SF Rows	DB Rows	Pending writes to SF	Errored Rows
✓ OK	Note__c	6	6	-	-
Totals:		6	6	-	-

- *Document oriented database that has a copy of all the data and is kept up to date*

Once CRUD operations on Note, salesforce will send email to notify DBA of IBM Bluemix .

Notes has been modified Inbox x



**Zexing Cheng** via [j7ic3h2854eexc.1i-2ktfpua0.na73.bnc.salesforce.com](mailto:j7ic3h2854eexc.1i-2ktfpua0.na73.bnc.salesforce.com)  
to 409779240

Please update document oriented database.

DBA will execute the python code below which queries the newest data from salesforce then updates the database.

```
from simple_salesforce import Salesforce

sf = Salesforce(username='zexing@nyu.edu', password='*****',
security_token='p59Blag*****')
records = sf.query("SELECT Id, Name, Content__c FROM Note__c")
```

For each record in records, encapsulate it into json document

```
from cloudant.client import Cloudant
from cloudant.error import CloudantException
client = Cloudant("c8e***-bluemix", "1469d***a7f",
url="https://c8e***a7f@c8e***f7-bluemix.cloudant.com")
client.connect()
databaseName = "note"
newDocument = myDatabase.create_document(jsonDocument)
```

Databases				Database name	Create Database	{ } JSON
Your Databases						
Name	Size	# of Docs	Actions			
note	8.1 KB	7				
test	33.8 KB	6				



note > 3144d1e08b545e0ba69a5580b8f024c6

```
1 {  
2   "_id": "3144d1e08b545e0ba69a5580b8f024c6",  
3   "_rev": "1-4f8f86428f0c0bcf5eba37ba8ea46d87",  
4   "content": "nice try",  
5   "title": "Try delete"  
6 }
```

- *Architecture of the data replication*

