



MAKE
SCHOOL

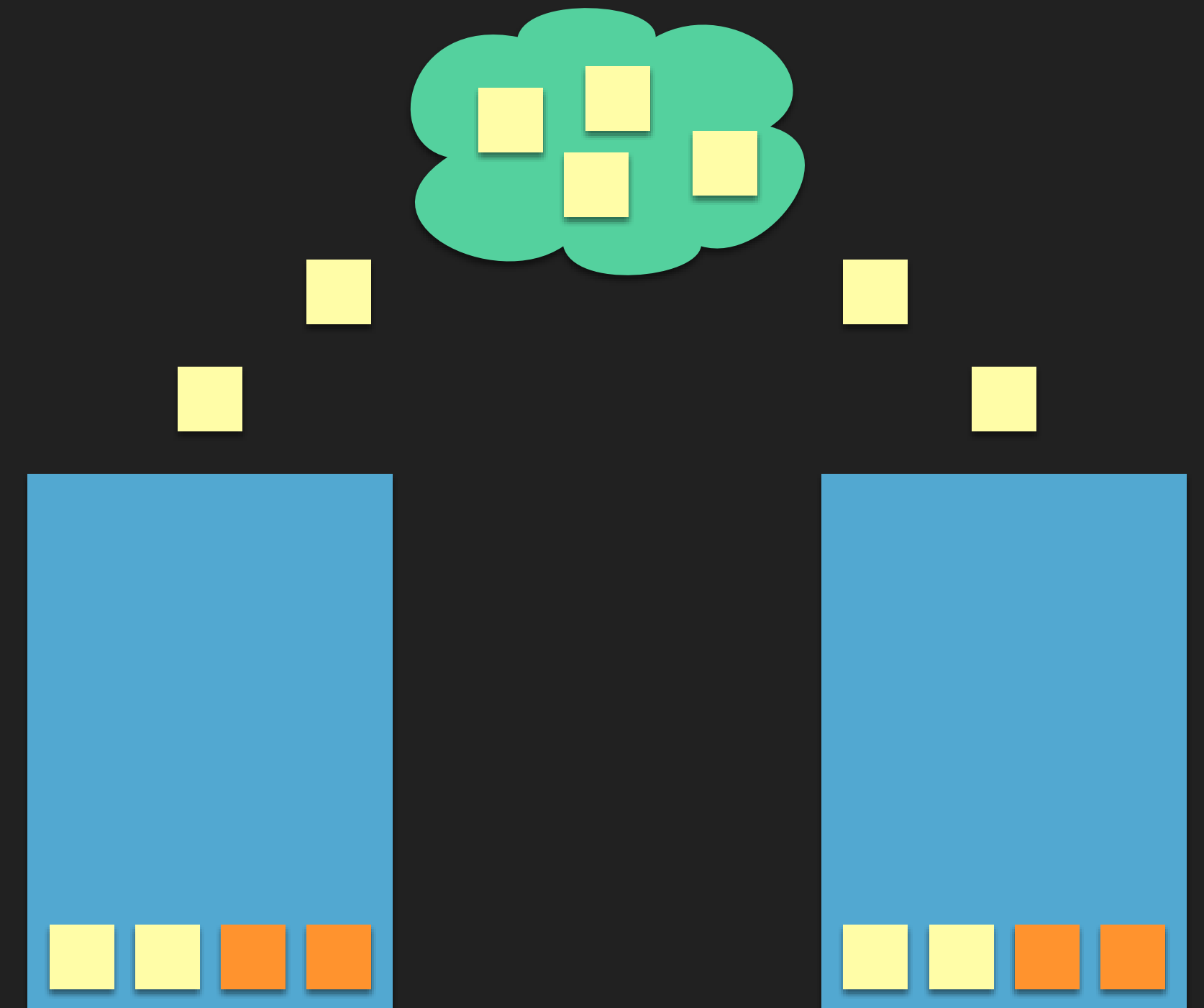
INTRODUCTION TO PARSE

Servers without code!

WHY DO I NEED A SERVER?

Share information between different devices

Back up information from a device



WHAT IS PARSE?

Provides Server functionality without code:

Define data model of the application

Store data on a server

Query data from a server

DEFINING DATA MODELS WITH PARSE

WHY DO WE NEED A SEPARATE DATA MODEL IN PARSE?

Server unfortunately can't store Swift objects

We need to define our data model with Parse
types

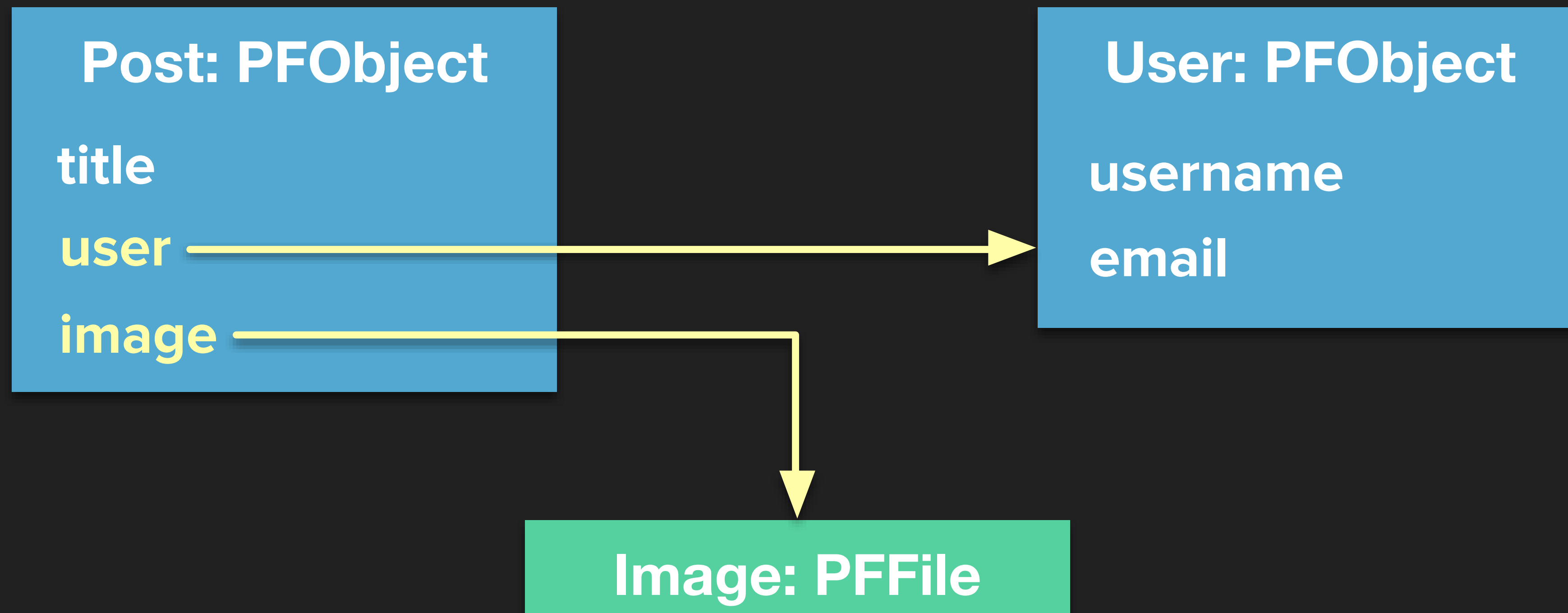
DATA MODELS IN PARSE

Classes

Classes have fields

Fields can store information or references to other classes

DATA MODELS IN PARSE



PARSE TYPES

String, Number, Boolean, Date, Array

PFFile

PFPPointer, PFRRelation

PARSE RELATIONSHIPS

PFPinter one-to-one relationship

PFRelation one-to-many relationship

PARSE DATA BROWSER

PARSE DATA BROWSER

PARSE DASHBOARD 1.0.14

makestagram

Core

Browser

Session38

User31

FlaggedContent0

Follow18

Like1

Post12

Logs

Config

API Console

Push

CLASS

Post12 objects • Public Read and Write enabled

Refresh


Filter

Security

Edit

<input type="checkbox"/>	objectIdString	createdAtDate	updatedAtDate	ACLACL	imageFileFile	userPointer <_User>	Add a new column
<input type="checkbox"/>	xGN8wJhPEX	17 June 2016 at 23:11:09 UTC	17 June 2016 at 2...	Public Read, jPZq...	e.jpg	jPZqHAiRXc	
<input type="checkbox"/>	wsJjjNrYYL	17 June 2016 at 22:45:24 UTC	17 June 2016 at 2...	Public Read, jPZq...	e.jpg	jPZqHAiRXc	
<input type="checkbox"/>	L8CWjjBnA9	17 June 2016 at 22:32:10 UTC	17 June 2016 at 2...	Public Read, g5vk...	e.jpg	g5vkjVrdJD	
<input type="checkbox"/>	tVyXLvRJyR	17 June 2016 at 22:32:09 UTC	17 June 2016 at 2...	Public Read, tx6u...	e.jpg	tx6uXLNDEX	
<input type="checkbox"/>	UNcvtgjyWm	17 June 2016 at 22:32:08 UTC	17 June 2016 at 2...	Public Read, kjwQ...	e.jpg	kjwQ8i9Bvn	
<input type="checkbox"/>	3k8S1paGro	17 June 2016 at 22:32:08 UTC	17 June 2016 at 2...	Public Read, 8xB2...	e.jpg	8xB2Q4n0Fs	
<input type="checkbox"/>	2QfvWqtLoX	17 June 2016 at 22:32:07 UTC	17 June 2016 at 2...	Public Read, 05Kw...	e.jpg	05KwLNagyx	
<input type="checkbox"/>	cfLytmfbus	17 June 2016 at 22:32:04 UTC	17 June 2016 at 2...	Public Read, 1fgr...	e.jpg	1fgrI5Q1l7	
<input type="checkbox"/>	23PRXwdP7J	17 June 2016 at 22:32:03 UTC	17 June 2016 at 2...	Public Read, uaeg...	e.jpg	uaeg5D4v7o	
<input type="checkbox"/>	J8Zdxb910j	17 June 2016 at 22:32:02 UTC	17 June 2016 at 2...	Public Read, d9r5...	e.jpg	d9r5g9w0Gg	
<input type="checkbox"/>	kqxVPcxLxI	17 June 2016 at 22:32:01 UTC	17 June 2016 at 2...	Public Read, J04m...	e.jpg	J04mTJF0dE	
<input type="checkbox"/>	3VoiCsCBeQ	17 June 2016 at 22:32:00 UTC	17 June 2016 at 2...	Public Read, UkxB...	e.jpg	UkxBoPJp2K	

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USING PARSE FROM IOS

AUTHENTICATION

ParseUI framework provides a Login/Signup screen for us!

After login you can access the current user like this:

```
PFUser.currentUser()
```

CREATING DATA

Create instance of PFObject or custom class

Modify values

Call one of the `save` methods

CREATING DATA

```
let testObject = PFObject(className:
"TestObject")

testObject["foo"] = "bar"

testObject.saveInBackgroundWithBlock
{ (success: Bool, error: NSError?) -> Void in
    print("Object has been saved.")
}
```


CREATING DATA WITH CUSTOM CLASSES

```
let post = Post()
```

```
post.image = image
```

```
post.saveInBackground()
```

DELETING DATA

```
testObject.deleteInBackgroundWithBlock  
{ (success: Bool, error: NSError?) ->  
Void in  
    print("Object has been deleted.")  
}
```

QUERYING

Create PFQuery object by providing a Parse class name

Set constraints on that query

Call one of the `find` methods

QUERYING

```
let postsQuery = PFQuery(className: "Post")

postsQuery.whereKey("user", equalTo:
PFUser.currentUser()!)

query.findObjectsInBackgroundWithBlock { (result:
[PFObject]?, error: NSError?) -> Void in

    // ...

}
```

SUMMARY

Parse provides server functionality without writing code

Parse requires us to define app's data model with Parse types

Parse iOS SDK makes it easy to authenticate with Parse and to create, delete and find Parse objects

ADDITIONAL RESOURCES

Parse Documentation

<https://parse.com/docs/ios/guide#getting-started>