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SCHOOL

INTRODUCTION TO PARSE

Servers without code!

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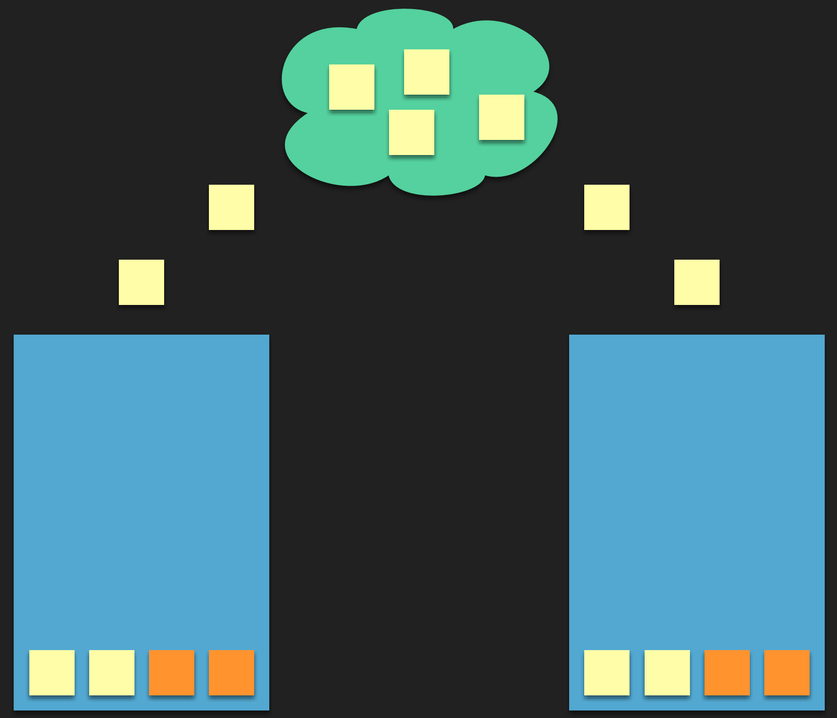
WHY DO I NEED A SERVER?

Share information between different devices

Back up information from a device



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WHAT IS PARSE?

Provides Server functionality without code:

Define data model of the application

Store data on a server

Query data from a server

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DEFINING DATA MODELS WITH PARSE

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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

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DATA MODELS IN PARSE

Classes

Classes have fields

Fields can store information or references to other classes

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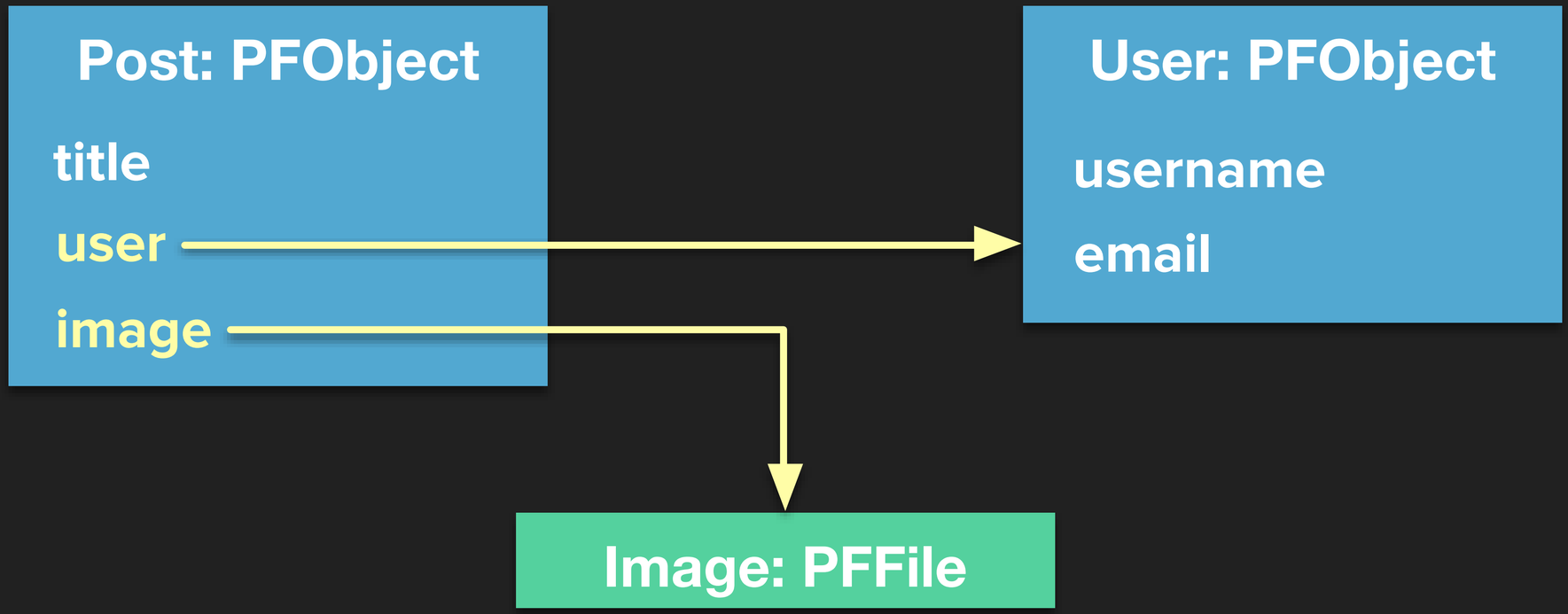
DATA MODELS IN PARSE



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PARSE TYPES

String, Number, Boolean, Date, Array

PFFile

PFPointer, PFRelation

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PARSE RELATIONSHIPS

PFPointer one-to-one relationship

PFRelation one-to-many relationship

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PARSE DATA BROWSER

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PARSE DATA BROWSER

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USING PARSE FROM IOS

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AUTHENTICATION

ParseUI framework provides a Login/Signup screen for us!

After login you can access the current user like this:

```
PFUser.currentUser()
```

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CREATING DATA

Create instance of PFObject or custom class

Modify values

Call one of the `save` methods

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CREATING DATA

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

testObject["foo"] = "bar"

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

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CREATING DATA WITH CUSTOM CLASSES

```
let post = Post()

post.image = image

post.saveInBackground()
```

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DELETING DATA

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

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QUERYING

Create PFQuery object by providing a Parse class name

Set constraints on that query

Call one of the `find` methods

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QUERYING

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

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

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

  // ...

}
```

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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

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ADDITIONAL RESOURCES

Parse Documentation

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

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