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WHAT'S the SKIMM?

theSkimm makes it easier to be smarter by fitting news and information into people's existing **routines**

Routines







Voice



theSKIMM AUDIENCE

> 3.5 million active, highly engaged subscribers

> 12,000 Skimm'bassadors in 20+ cities

Oprah, Stephen Colbert, Michelle Obama, and more are Skimm'rs

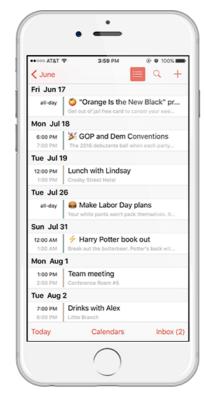
theSKIMM PRODUCTS



DAILY SKIMM

what just happened and what people are talking about **today**.





SKIMM AHEAD

what's to come in the **future**.

theSKIMM APP

- Launched in April, featured as "Best Apps", and in News category
- 1 month free trial w/ autorenewing subscription
- Top Grossing app in news category

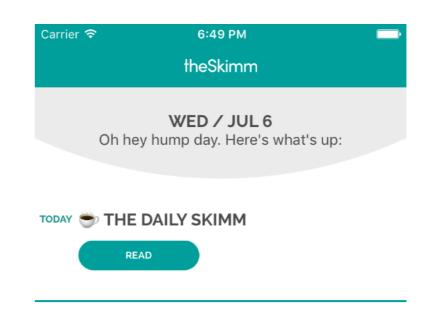
TOP GROSSING >

1. NYTimes – Breaking Local, National &...
News

- The Wall Street Journal Breaki... News
- The Economist for iPhone News
- The Washington Post Classic fo... News
- theSkimm News

theSKIMM TODAY

- Native Presentation of the Daily Skimm
- Today's events from Skimm Ahead
- A new 5 Min Read every day
- Skimm Picks for your weekend





Official name: 'Eid al-Fitr.' Unofficial name: 'Let's Eat.' This Muslim holiday marks the end of a 30-day dawn-to-sunset fast during the month of Ramadan. Thing to eat: ketupat, a dumpling inside a palm leaf pouch. Thing to say: Happy Eid.



'There's an app for that' can apply to literally anything. Meet a new app that









SKIMM AHEAD

- Calendar of important upcoming events in world news, politics, sports entertainment, and more
- Track events with a webcal subscription or via EventKit integration



FU Running of the bulls starts

Annual event in Pamplona, Spain where people yup, run away from bulls. This is the madness you read about in HS in "The Sun Also Rises." Pro-tip: the locals call it 'Encierro.'





The economy has not been feeling summer lovin'. May's report showed that less than 400,000 new jobs were added. Read: wayyy less than expected. If the report's good, the Fed can keep raising interest rates soon and get its economic groove back. If the report's bad, it will keep those rates low, low, low, low.



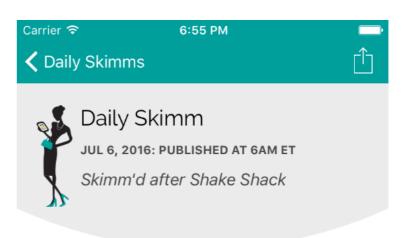






DAILY SKIMMS

- Native presentation of the Daily Skimm
- Archive of Past issues



QUOTE OF THE DAY

"We certainly feel that the Ashley Madison brand can be repositioned" — The CEO of Ashley Madison (the website that helps people cheat) on the company's post-hack makeover. Because new positions keep that unfaithful spark alive.









CTRL + ALT + OFF THE HOOK

THE STORY









THE CODE

![language isEqualToString:@"swift"]

(sorry)

APP ARCHITECTURE

- Reactive
- VIPER
- MVP
- MMVM
- MVEMJSUNP







I'm announcing my new software pattern called LOLVC. It's an acronym short for "I'm laughing at you for thinking you're smarter than MVC"

RETWEETS

15

LIKES 32















12:15 PM - 7 Jan 2016











NSOperationQueue



Advanced NSOperations

WWDC 2015

NSOPERATION

- Simple, well-known API override main, add to an NSOperationQueue
- Cancellable
- Supports dependencies between operations
- completion block
- NSOperations are abstract, add what you need in subclasses

NSOperations in the Skimm View Controllers

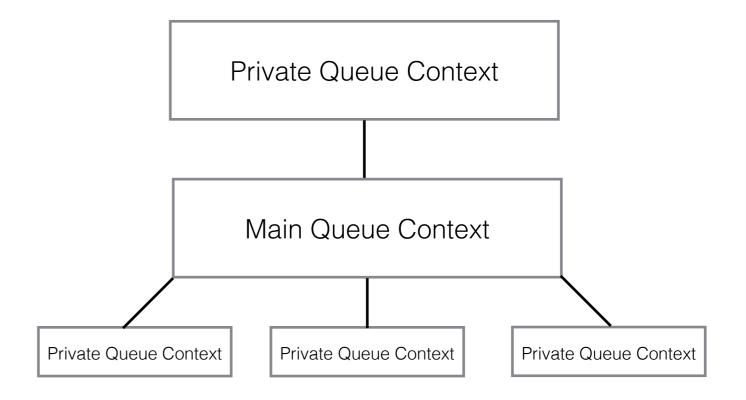
- View Controllers have a reference to an NSOperationQueue
- Complicated model stuff / networking in NSOperation "get from/post to API" subclasses
- Inspect error custom property on completion
- Model changes are propagated to the UI via Core Data notifications

SkimmAheadViewController NSOperationQueue React to Errors GetSkimmAheadOperation completionBlock NSOperationQueue DownloadJSONOperation ParseSkimmAheadJS0NOperation

Core Data

Core Data Concurrency, first try

- Root Private Context for asynchronous saving
- Main Queue Context for UI, passed around by View Controllers
- Private child contexts used for background operations
- Really simple programming model



But there are some issues...



Unique Constraints

- Introduced in iOS 9
- Mark attributes as unique in Model file
- Avoid "create or update" pattern
- Relies on merge policies to resolve conflicts...
- ... but merging changes from a child -> parent context ignores merge policies!
- Buggy with MOs w/ complicated relationships

```
NSManagedObject *obj;
NSFetchRequest *fr = [[NSFetchRequest alloc]
              initWithEntityName:@"Obj"];
obj.predicate = [NSPredicate predicateWithFormat:
              @"id == %@", id];
NSError *fetchError;
NSArray *fetchResults = [managedObjectContext fr
              error:&fetchError];
if (!fetchResults) {
 NSLog(@"%@", fetchError);
} else {
 obj = fetchResults.firstObject;
if (!obj) {
 obj = [NSEntityDescription
       insertNewObjectForEntityForName:
       @"0bj"];
  inManagedObjectContext:managedObjectContext];
 obj.id = id;
```

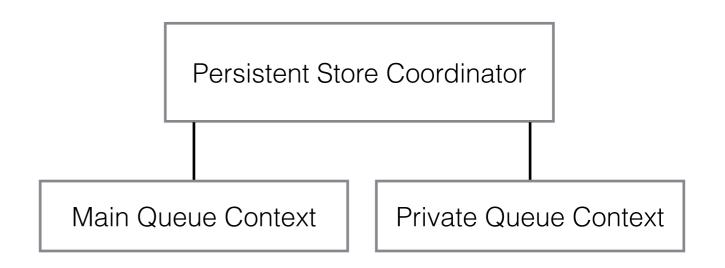
Crashes

W	Last	Except	tion I	Back	ctrace

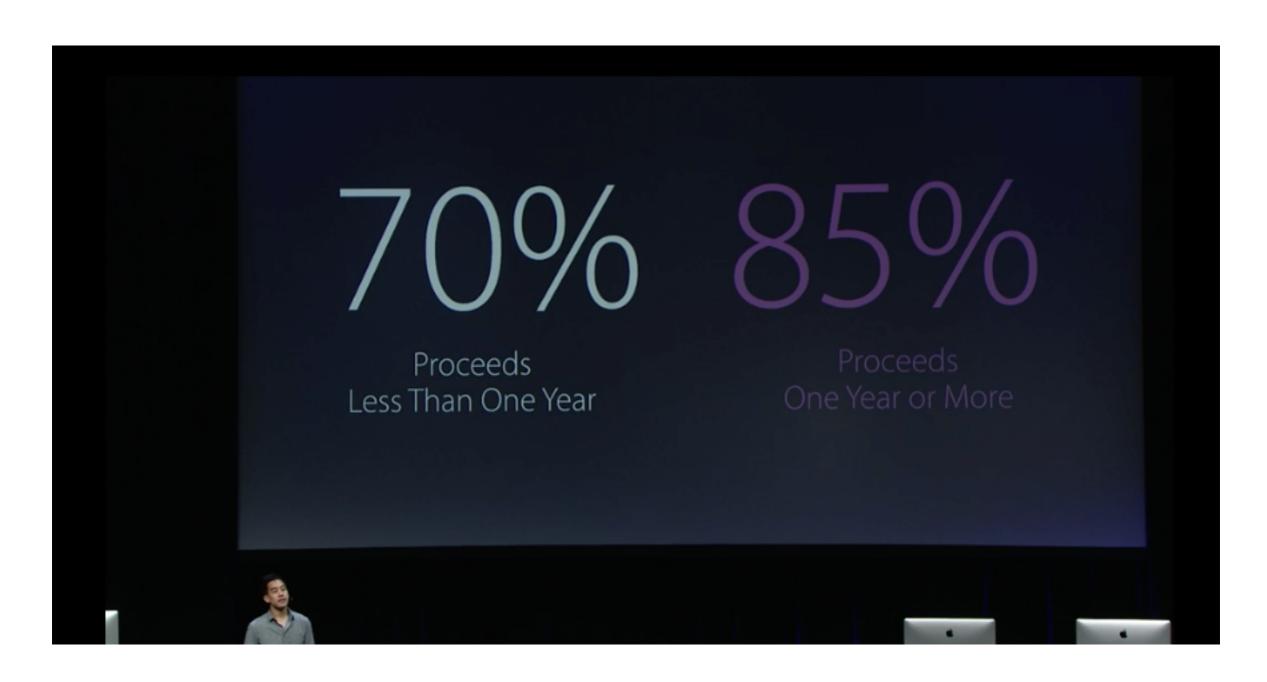
	0	CoreFoundation	exceptionPreprocess
重	1	libobjc.A.dylib	objc_exception_throw
0	2	CoreData	-[NSFetchedResultsController objectAtIndexPath:]
1	3	theskimm	-[SKMPastSkimmsTableViewController configureCell:forIndexPath:]
1	4	theskimm	-[SKMPastSkimmsTableViewController controller:didChangeObject:atIndexPath:forChangeType:newIndexPath:]

Core Data Concurrency, second try

- Shared Persistent Store Coordinator
- Main Queue Context for UI, passed around by View Controllers
- Private Queue contexts used for background operations
- Merge when Private Context saves



Subscriptions



Working with Subscriptions

- Just another In-App Purchase
- Documentation still reflects original intent of subscription apps (Newsstand)
- Testing is a pain, use TestFlight
- Try it, if you have a service that provides lasting value!

Testing

- Write lots of tests! If code is technical debt, tests are like a savings account.
- Bots theSkimm publishes on a regular schedule, so easy to verify if served JSON is parseable every morning
- UI Tests w/ Bots are buggy



We're hiring!

EDITORIAL Skimm'r
FOLLOW ME Skimm'r
CONTENT PRODUCT MANAGER Skimm'r
TECH APPLICATIONS Skimm'r
GROWTH Skimm'r
SB INSIGHTS Skimm'r
MEDIA SALES OPS Skimm'r

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