



TOUCHDB - A Couch to Go

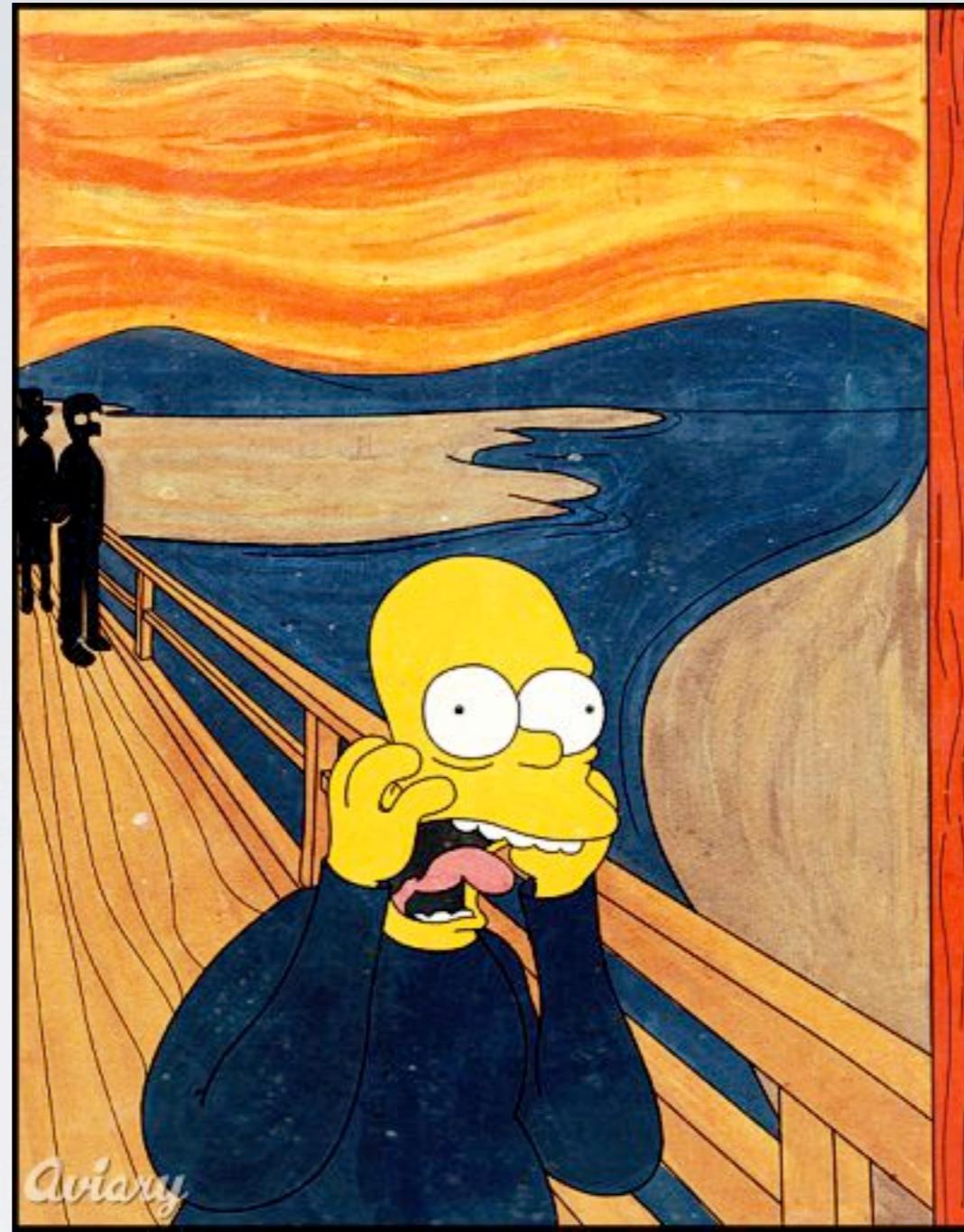


Image source: <http://hiconsumption.com/tag/driving-experience/>

Katrin Apel (@kaalita)

product manager -> iOS developer

I <3 CouchDB



Nooo, I have to write a backend for
my app!

Image source: <http://hiconsumption.com/tag/driving-experience/>



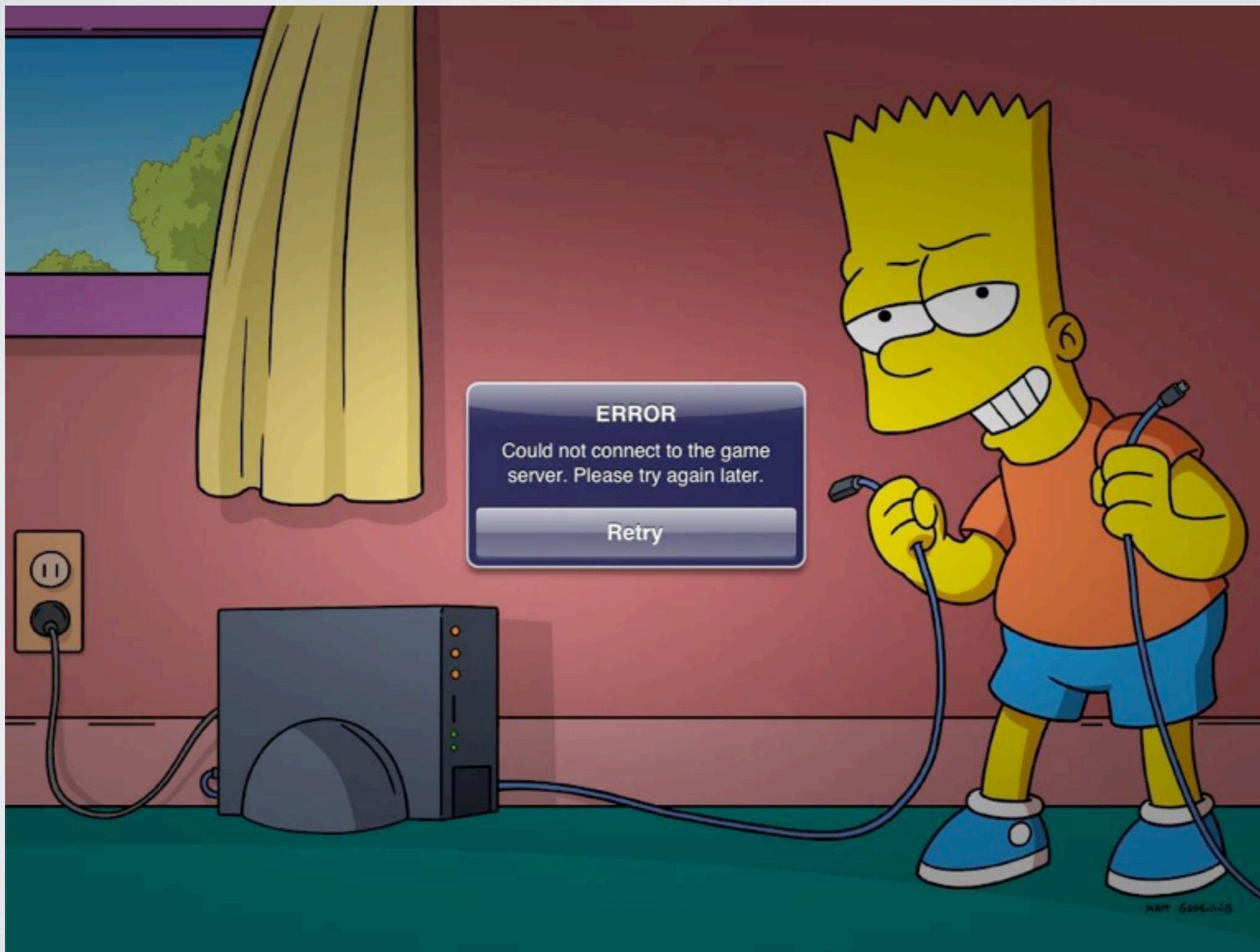
CHILL OUT - I GOT THIS.



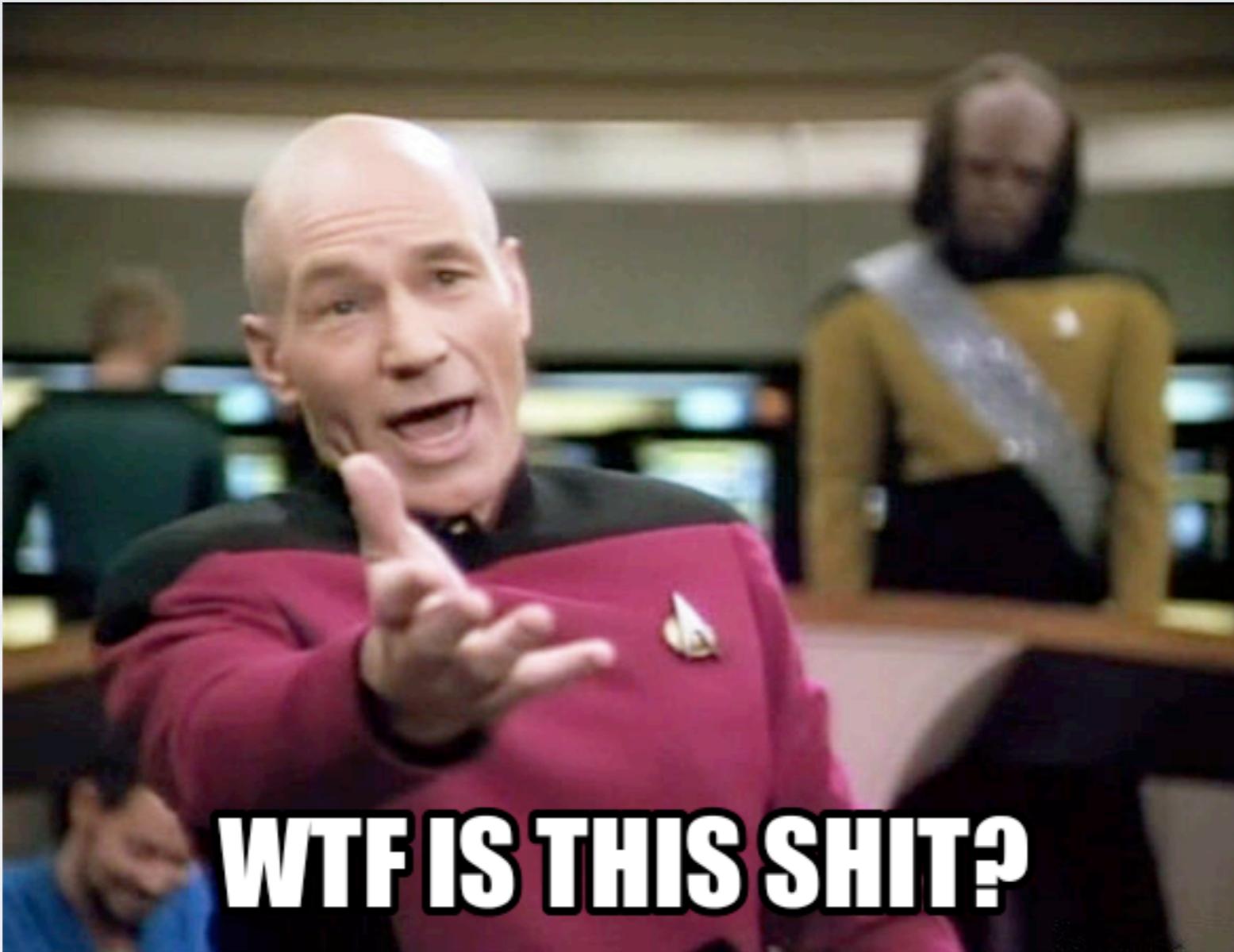
Image source: <http://www.funnycutepics.com/funny/chill/>



NO INTERNET



SLOW & LOSSY INTERNET



EXPENSIVE



WHAT DID I WANT?

- * Same API for Online and Offline access
- * Readymade syncing solution

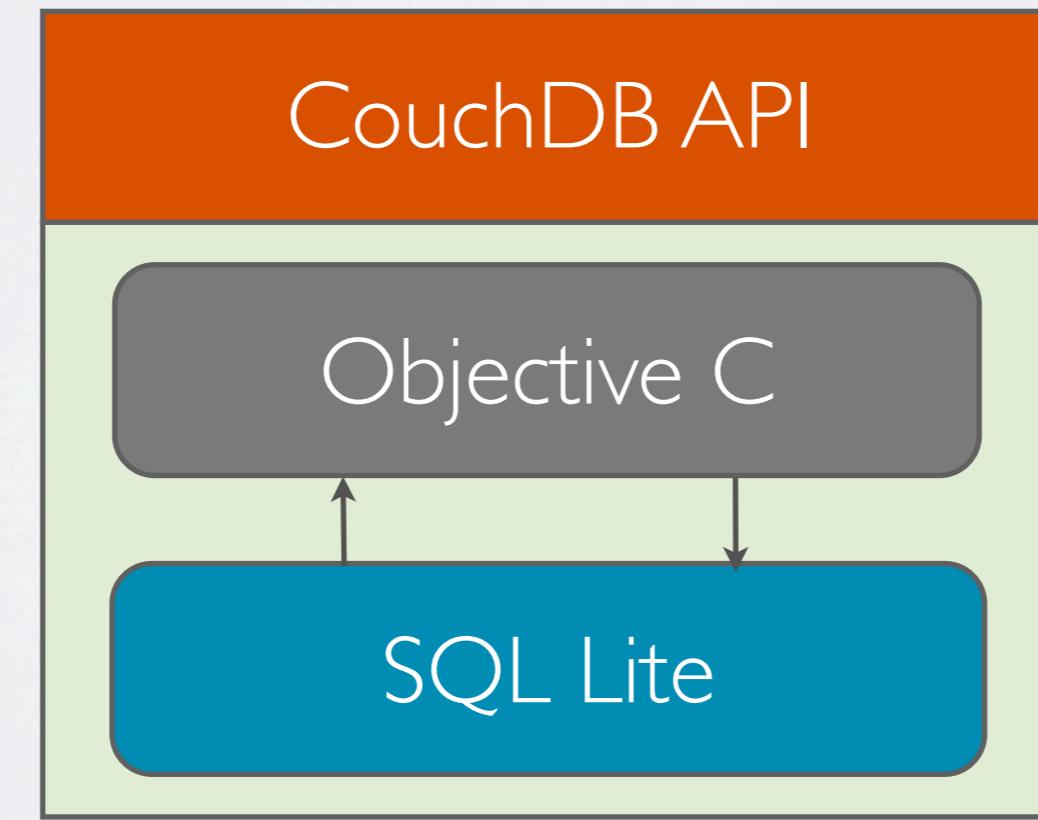


TouchDB is a **lightweight**
Apache **CouchDB-compatible** database engine
suitable for embedding into mobile or desktop apps.

CouchDB API

Objective C

SQL Lite

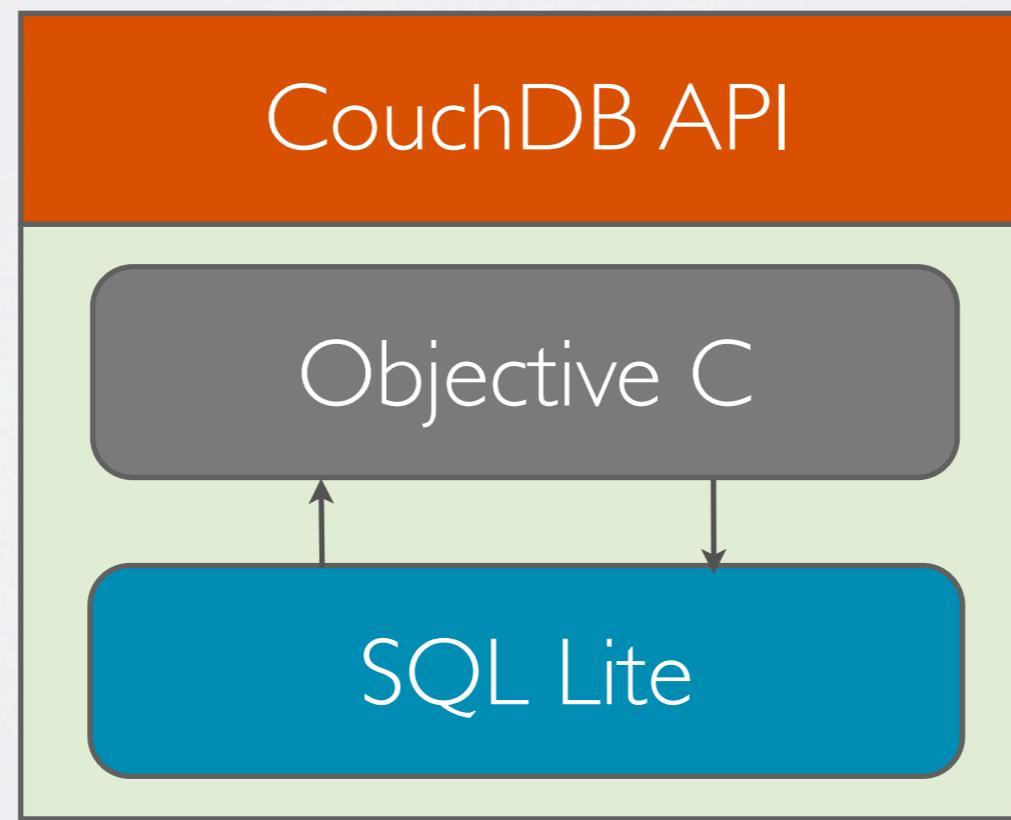




CouchDB
relax

CouchDB API

CouchDB HTTP Protocol



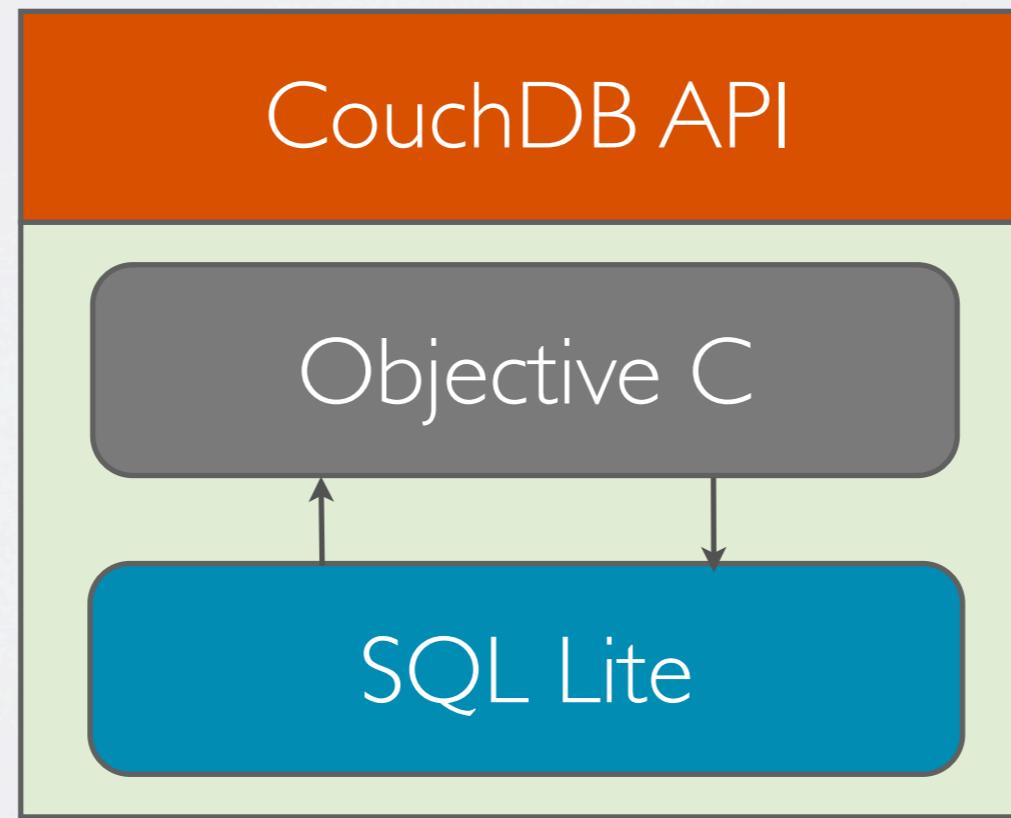


CouchDB API



CouchDB API

CouchDB HTTP Protocol





CouchDB API

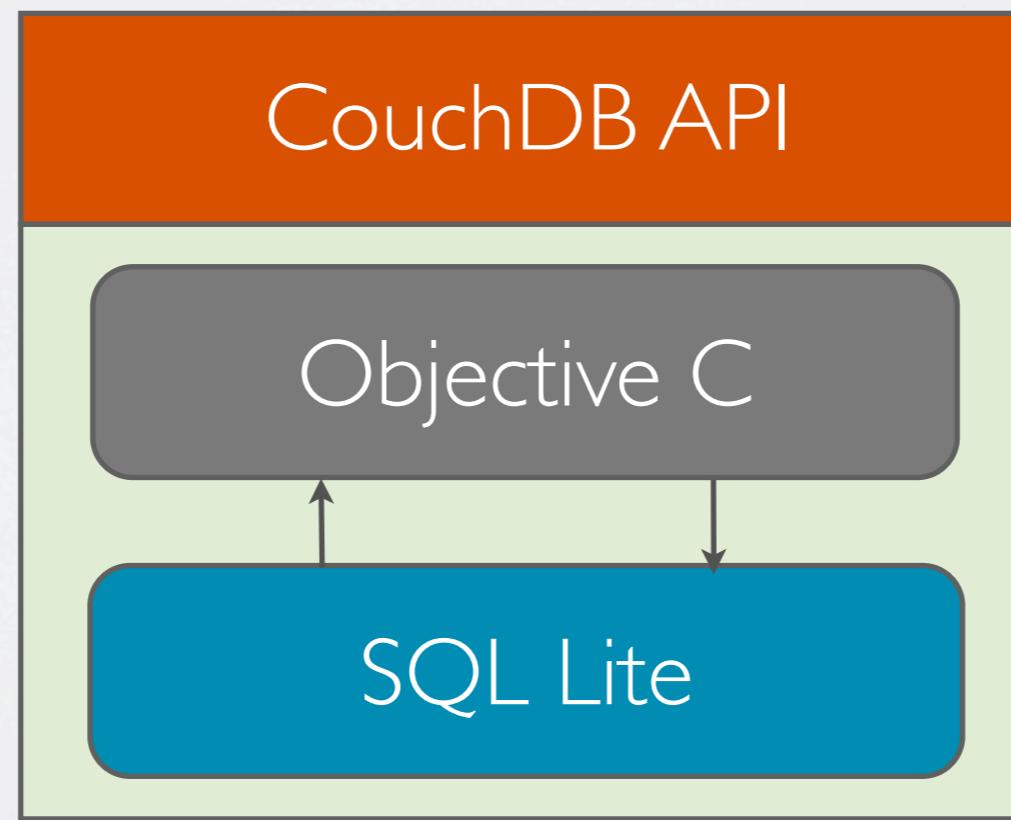


CouchDB API

PouchDB ?

CouchDB API

CouchDB HTTP Protocol



I will synch data with everything
that speaks CouchDB!



PERFECT FOR EMBEDDING

Small: ~350 kbytes

Quick startup time: < 100ms

Supported systems:

- * iOS >= 5.0
- * Mac OS X
- * Android 2.2

EASY SETUP

```
#import <CouchCocoa/CouchCocoa.h>

// Creating TouchDB server
CouchTouchDBServer* server = [CouchTouchDBServer sharedInstance];

// Creating a local database
self.database = [server databaseNamed: @"memories"];

// Creating the replications
NSArray* repls =
    [self.database replicateWithURL: _couchSyncURL
                           exclusively: YES];
_pull = [repls objectAtIndex: 0];
_pull.continuous = YES;
_push = [repls objectAtIndex: 1];
_push.continuous = YES;
```



FEATURING:

Views



Attachments



Replication



Peer to peer sync



Image source: <http://hiconsumption.com/tag/driving-experience/>

DEMO TIME



- Current version: 1.0.1.
- Developed by Jens Alfke from CouchBase
- Source Code on Github:
<https://github.com/couchbaselabs/TouchDB-iOS>
- Getting help:
<https://groups.google.com/forum/#!forum/mobile-couchbase>

I <3 CouchDB

Every platform should have an
embedded Couch!

SYNCHRONIZE



ALL THE DEVICES!