A Couch to Go

Image source: http://hiconsumption.com/tag/driving-experience/
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I <3 CouchDB
Nooo, I have to write a backend for my app!

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CHILL OUT - I GOT THIS.
NO INTERNET
SLOW & LOSSY INTERNET

WTF IS THIS SHIT?
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

CouchDB API

CouchDB API

CouchDB HTTP Protocol

CouchDB API

Objective C

SQL Lite
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
#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;
Views
Attachments
Replication
Peer to peer sync
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
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Every platform should have an embedded Couch!
SYNCHRONIZE
ALL THE DEVICES!