

StupidDB

(No code yet)

# Relational Database are great

- You can do everything with it
- You can do everything wrong
- Does not work well for every Use Case
- The software tries to outsmart you

# New Database – StupidDB

- Like memcache
- Stupid Protocol
- Only Basic Operation
- Only Key/Value
- NO versioning
- Persistent
- Easy to backup

I'm super-smart!



I invented THE Webserver!

# New Database – StupidDB

- Stupid Protocol – HTTP (Stupid as a protocol can be and even a standard)
- Only Basic Operation – PUT (POST), GET, DELETE
- Only Key/Value – URL as a Key
- Persistent – Filesystem
- Easy to backup – Filesystem
- Like memcache – simple enough

# StupidDB – A plugable architecture

- Debugging – Your browser and Wireshark
- Caching – Squid
- Searching – Solr
- Cloud Computing – lighttpd with mod\_proxy\_core
- Parallelizing – cURL multi get
- High availability – Consistent Hashing and Replication 
  - Doable with some glue between

# Discussion

<http://microapps.org/>

<http://www.spiteful.com/2008/03/17/programmers-toolbox-part-3-consistent-hashing/>

<http://trac.lighttpd.net/trac/wiki/Docs:ModProxyCore>