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at

- ① Assignment 2
- ② Caching techniques we know
  - HTML5 application cache
  - Web browser
  - Cache-Control by age
  - in controller, do
  - response headers (Cache-Control)
- ③ What about web applications on the server side, what do we have to worry about?
- ④ Traditional caching architectures
  - K-V hash table
  - "client server model"
  - short term memory
  - Distributed
  - Advantage of available RAM
  - Dumb servers, no dependencies
  - NOT persistent
  - NOT app specific
  - NOT highly available
  - pool

- ⑤ Memcached
- 250 byte key size
  - IMB value limit
  - LRU: least recently <sup>used</sup> accessed items are cycled out
  - not MRU
  - Objects are serialized
  - client hashes key to server

Commands

write → set add replace

read → get gets

deletes

FB 2 orders of mag  
Facebook more reads than  
writes

- ⑥ Rails config
- ① Use dall gem
  - ② Add config.cache\_store = :dalli - store in production and dev config/environments files
  - ③ Run: rails console
  - ④ Test: Rails.cache.write(k,v)  
Rails.cache.read(k)

Make  
sure  
memcached  
is  
turned  
ON!