

Design Twitter

How to Approach??

What features?

MVP - Target

- users post tweet

- follow

- unfollow

- news feed: 10 most recent

Objects - Entities

{ user-id: List<tweet> } { u: List<user> }

user → tweets

follow

Will this
solve multiple follow/unfollow
efficiently.

class Tweet {
 tweet-id
 content
 created-at
}

Think TopDown

Do we need
user here?

{ user1: [t1, t2]
 user2: [t3, t4, t5]
 user3: [t6]
 user4: [t7] }

{ user1: [user2, user3, user4] }

Brute Force

feed: take all tweets user[1..4]
then sort, t7 t6 ... t1.

user1 follow itself? Pro Cons?

Better Way! Priority Queue

Look at follow list; add those corresponding
tweets in p.q. (log K) :)