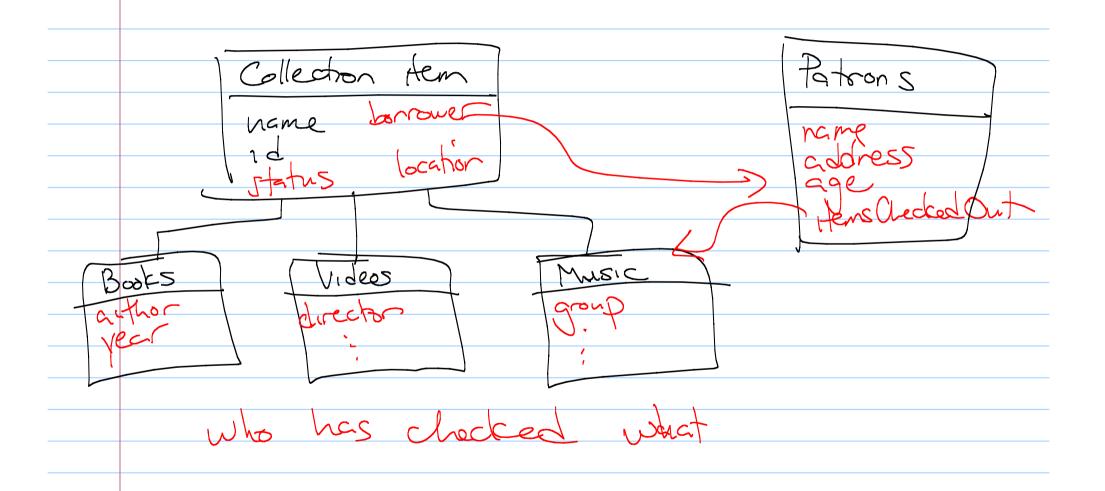
S150 - Recursion Note Title 4/2/2012 Announcements - HWY grade emailed Friday - HW8 is up - due next Monday - Review Tuesday exam hedresday - No class Friday or Monday Get sample midtern 2 - no inheritance or Ch. 10

List Comprehension (Ch 4.5, p 148) xample: L= F0,1,2,3,4) for e in li m. append (exe) Shorter: m= exe for e in

List comprehension, cont Can also filter: m= [exe for e in [f e%2==0] Multiple comprehensions: (but gets hard to read, so don't get carried away)

Program design (Ch.7) Designing larger systems Example: (, brary



Back to recursion: Data structures Designing a list: class Ourlist: OurList

mylist, append (12) nding: OurList \_rest \_rest else: self. rest append

Functions - count - \_\_ contains\_ ٠ /