results of first homework

today's topic: requirements

what are the 2 requirements
    shared by every customer?
    - on time   how long?
    - on budget   how much?

how do you know what the
    customer's other requirements are?

- volunteer student as "customer"

- class can only ask yes/no questions

- class guesses what is intended software
    generally, ~~word processor~~
        document processing, not MS word

1. web browser   customer
2. courseworks   student
3. ~~JVM~~ compiler   picks one,
4. ~~MMORG~~ video game   doesn't tell
    first   instructor
    person
    shooter

normally can ash more than yes/no
= requirements elicitation

~~show index cards~~
  first need to elaborate concept of
  "customer" to include all "stakeholders"
   - before ashing/ need to know <u>who</u> to ask
consider in-house
           external buyer
           Shrink wrapped
           web

Who are the stakeholders?

                      software
consider a   product that will be embedded
~~in the dashboard of~~
  in a toy intended for toddlers

   imagine the customer is the
   general counsel (attorney) for the
   company that will manufacture
   this toy

what are his/her requirements?

how do we actually elicit or capture
    requirements?

    brainstorming / bluesky
    questionnaires
    interviews
    comparison to similar products + observation
    roleplaying   observation
        screen sequences & iteration

how do we record the requirements

    index cards = "user stories"
     title & description
        eventually priority + estimate

        describe one thing
        written by customer
              in language customer understands
"AND" { SHORT - 3 sentences
 rule"   continue until no more questions (but iterate)
            & no (or few) "assumptions"
functional vs non-functional   "
        requirements   risks

~~Nouns from user Stores Stores~~

moving from User Stories to Use cases
another later lecture

start thinking about team
projects - form teams   use
piazza

proposals will consist of
overview + a collection of
User Stories

but submitted online, not
actual index cards

some problems with index cards?

some problems with User Stories?
in customer language

supposed to be non-technical
but sometimes customer has
technical requirements
→ functional vs. non-functional

must fit existing infrastructure