Topics

- Requirements (cont)

Homework

- HW4 out
- Quiz 3 next Tues
User Stories

A specific kind of requirement statement

- describes one thing the software must do (for user)

- written in “language the customer understands”

- written “by the customer”
  - not literally ... in the “voice” of the customer/user
  - driven solely by customer need ... even if dev wrote it

- short and sweet!
  - usually 1 sentence
  - should fit on one side of a 3x5 card

- Meant to start discussion about functionality & features
User stories contain ...

1. a meaningful title (short & descriptive)
2. a short description (see template)
3. acceptance criteria
   
   what needs to be considered for story to be “done”
   
   - capturing more essential details (must do x, must do y)
   - conditions or cases to check for (given x, when y, then z)
   - sequences of steps and result (first do x, then do y, ...)
   - starts on back of 3x5 card

User stories should not ...

1. use technical terms unfamiliar to customer
2. mention specific (implementation) technologies
   
   - unless absolutely required by customer (more later)
3. be unnecessarily detailed
User Story Templates

Can help to have consistently worded stories ...

- both for reading and writing stories

One way to achieve this is to use a template:

"As a (role) I can (achieve function) so that (reason)."

For example:

“As a student I can purchase a parking pass so that I can drive to/from school.”

Good practice to include roles and reasons (benefits)

- if obvious though, dont need them

Q: What are potential/reasonable acceptance criteria for this story?

- Must be a registered/enrolled student
- Must not have a hold
- Must provide a valid car license plate
- Must pay all parking tickets before being issued a pass
- Must pick up parking pass from parking office after purchase
Exercise 1:

- What are the “user roles” for your project?
- Note, one user could play many roles (e.g., buyer, seller, admin, ...)

Exercise 2:

- Come up with functions related to your project
- Turn each function into a “user story” using the template

Exercise 3:

- Pick story and add acceptance criteria
- e.g., as “must do x”, “must do y”, etc.
An example Backlog (of user stories)

- Note not prioritized
- Also a mix of functions and features