team composition assignment due tonight! who doesn't have a team yet (or has a team that is not exactly 4 students?)

Use cases us. User stories

recall that user stories are very Short & Simple

" as a <user role, I want to do (or I want the software to do) some feature, so that I gain some value,"

a user story has been assigned a priority (by the costomer) + an estimate (by the developer)

its been added to the team's tash board a assigned to a developer (or parr of developers)

now what?

it depends on whether this is one of the first/earliest iterations, where the sw doesn't do much (or another) yet us. adding yet another feature

Let's assume for now the case of adding yet another feature (we'll consider mitsal development in a later lecture)

even after adding "conditions of satisfaction"

(which probably don't fit on the index

card - need to record in an issue tracker),

we still may not understand how the

user story needs to operate

this is why user stories are often
expanded to "use cases"
use cases describe the step by
step details of how the user
role interacts with the software
to obtain the value of a feature
(or achieve a goal)

also try to capture everything that can go wrong during process

use case elements

name - Verb/noun or
actor/verb/noun
communicates Scope of usecase
(also use label to match
with corresponding user story)

description - brief paragraph describing the scope of the use case (this could be a copy of the userstory)

actors - types of users who engase in activities described in use case

preconditions - anything that should be true before use case begins -specify whether can assume true or need to check

basic flow (happy path) - set of steps actos take to accomplish goal, with clear description of what system does Mresponse at each step

4156 pase but sometimes still not enough 9122116 this is one motivation for parpagramming nad sour Show par programming mases many companies employ par programming for interviews (auditions), even it don't use for regular development - be prepared! par programming applies to all phases of development, not just coding 2 people sitting at same pc (or using remote deship sharing) - take turns "dowing" us. "navigating" - Switch every 25 mmutes or so - continuous code review studies show higher quality but mixed results on productivity (does it take ture as long?)

Pase CONTINA 4156 9/22/16 organizations that use pair programming typically switch pairs often - collective code ownership - maximize truch factor other benefit of par programming Stay focused a on tash
less likely to read email, surf Leb, etc.
less likely to be interrupted each expects other to tollow best practized that are couldn't do alone
4 have better quality solutions Pool hoowledge resources 11 over the shalder defect prevention a removal reduces (but doesnot elimnate) need for formal code inspection (we will cover code inspection later in course)