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Thursday 11/21/13

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reminder team assignment

ending an iteration -
do an iteration review
post mortem

then begin next iteration

- revise stories & task estimates for remaining stories in current milestone

- calculate new velocity

total # days
work accomplished
based on original
estimates

actual
working
days (~20)

$\times \text{ # developers} = \text{new velocity}$

- calculate work days available

$\text{# developers} \times \sim 20 \times \text{new velocity}$
 $\approx \text{# work days}$

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- fill board with work for next iteration

remember to consider leftovers from previous iteration

- get customer's approval

priorities might have changed

after the 1st iteration, the ~~new~~ tasks are likely to include bug fixes

you need to estimate time to develop unit tests (assuming bugs found by system testing or user), fix code, & re-test

how long will this take?

spike testing

book describes
doing this
for external
code, not
your own
code

pick a random set of bugs
fix them

← cross-section

but also makes sense for bugs found during system testing your own code

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$$\begin{aligned} \# \text{ bugs fixed} / \# \text{ work days spent} \\ = \# \text{ bugs per day} \end{aligned}$$

focused time { in book they pre-determine # of days (5) & then you keep picking new bugs at random until days used up

consider your "confidence"
N% confident

$$\begin{aligned} \text{bug fix rate} \times \text{number of bugs} \times \frac{1}{N\%} \\ = \# \text{ days to fix} \end{aligned}$$

~~to get estimate~~

this works for "fix bugs" task
~~but cannot be divided up neatly~~
~~for single-bug tasks~~

but cannot always be divided
up neatly for single-bug fix tasks

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m-class team Meetings??

I plan to use Tuesday 11/26/13 for "odds & ends" not otherwise covered, e.g., design patterns & refactoring

I'd like suggestions of any other specific topics of interest

Then Tuesday 12/3/13 I'd like a few "volunteer" demos in class - TAs will be contacting selected teams about this - plus the rest of the time will be used for project swap

Thursday 12/5/13 is the final exam in class - similar to midterm

factories

last year's
final ✓