review for first exam

Head First ch 1-6/2 Ron Patton ch. 4

Ron Patton ch. 4
"examming the specification"

specification = requirements (user stories & use cases)

"testing" the spec enables finding bugs before any code is witten

black box us. White box
doit look do look
at code at code

statiz us. dynamic testing examine a run the sw review but don't run

testing spec is state black box

quality = "meeting the customers needs"

check existing standards a gurdelines

review + test smiler sw

specification attributes checklist

complete
accurate
precise, unam biguow, clear
consistent
relevant
feasible
code-free
testable

consider whole product & md Nidual features

specification terminology checklist problem words to look for

always never obviously
Sometimes, usually
etc., such as
good, fast, cheap
hondled, processed rejected
The ten missing else

4156

Head First ch 1 "pleasing your costomer"

deliver sw that is needed, on time , on budget

brg bong, going dark often means wong sw delivered to customer

iteration solves problem (process)

each iteration should produce
working sw
mmi-project, quality sw
customer changes mind
about features, pronties
mtegrate new features mto series
of Iterations

10/20/16

Head Frot ch. 2 "hnowing what the customer wants"

user stories = KHIc + description single thing the sw needs to do

talk to customer, ash guestions "blueshy" bramstorming w/ stake holder

role playing-pretend to be swo observation - watch what do now

requirements must be costomer-oriented no technical terms no design decisions

time estimates by developes how long will it take include design, tests code & deliver

almost add up for matridual user almost stones to get estimate for each certains literation & for full project

what assumptions are developed making when determining estimates? clarify w/ customer & each other planning poker - conversence larger difference => lesser confidence

calendar month = 20 working days

15-day rule - all estimates should be & 15 days (who not ao?)

AND role- look for "AND" m user stong to break up Head First ch. 3 "planning for Success"

estimates add up to too long, so customer how to prontize

milestone 1.0 = 1st major release deliver r.t. demo

focus on baselne finctionality

milestone vs. vessoon, mileston vs. Theration

adding more people => less productive

performance / extra atron
commune atron
people

customer prioritizes within high priority what to do in next it eracting 10,20,30,40,50 buckets

iterations 1, 2, 3 => 1st milestone 90 calendar days continuously building a always runnable for customer feed back

& project velocity- ignore for now, will be covered later (and exam)

overflow work goest a later steration addmy more iterations at end if need be

big board = development dash board = tash board

what work is on pipeline, what's in progress, what's done

usestones	w busines?	1. burn down
		overflow
		completed

World left deal Head First ch. 4
" getting to the real work"

work is more granular than user stones need to break down into tasks

> Some idea as user stories title, description, estimate but now in developer terms not customer

Ya day to 5 days

estimate for tasks should add up to estimate for user story

use tasks moteral of user stories

completed tasks us. completed user stories

assign tasks to developes r.t. entire stories

one story at a time

what are in tasks - classes a methods,
UI screens, DB schemas,
SQL scripts, etc.
heep tash board accurate - meetings

work on strongly related tasks at some time

trach progress porning worning update buindown rate 1st thing update tashs what happened yes terday a what's goms to happen today borns up any issues

some examples with class dragrams

you need to know class dragrams

you do not need to know (for test)

Sequence dragrams or other UML

5-15 mmutes

Some discussion of refactoryalso later (2nd test) how to hardle implanned tashs e.g., costomer ashs for extra demo

add to tash board like other tashs

needs it our estimate

often results in putting off other tasks to next iteration

Pasel1 10/20/16 Head First ch. 5 "getting it done with great design" mtrodoces problem with a particular feature (behavior) spread over multiple classes-ripple effect breaks smole responsibility principle each object should have only one reason to chanse (cohesion) SRP analysis The classname methodname itself for every method m class do sentences make sense? if not, method may belond m another class when the method takes a pacmeter that is an object of another class then The chas
The class mane method name

and parameter some Thett

type not just SRP, also DRY don't repeat yourself

avoid duplicate code by abotracting out commonality to another smile location

monon unplanned tasks

Head First ch. 6 " defensive development"

use version control

details on how to use Subversion (sun) by we're using git

chechout / chechin - commit messages

Merge conflicts

tasged vesions & branches/tring

tracks who chanced what when

roll back changes than needed

Head First ch. 6 /2
"Mosert tab a mto slot b"

Use a build tool & build scripts

mostly about Ant

everyone on tean needs to use same
mentions running test cases