Pagel Tuesday 10/21/14 4156 now its time to start coding a testing new or testing a coding (TDO) new asisnment but betachand
- coding conventions (style)
- tools (may core w/ framework) most lansvages have a listandard's codms convention, find at that 1+134 use it codins conventions generally address: - commenting a minedocumentation - consistent indestation a line wrapping - avoid obvious comments
no "fix this later" or
11 this is a hoch" - code grouping blank lines between tasks Wim Same method (altho usually there shald) only be oretash per method)

page 3 Tuesday 10/21/14 4156 tools version control chech at commit - comments revert to back out of chances merse conflict tas release/milestone brach Hrank build ont, maver, etc. often also does resussion, testing besides actual build

con deplosment wholeton find dependencies pachase for deployment generate documentations

IPE - editor, chechos, etc.

3 A Real Lines of Carley

Tuesda, 10/21/14

code "smells"

comments - illuminate us. obscure explam Lhyanot what for people, not machines

lons method - a short method is easier to read, understand, a troubleshoot refactor long methods into short

lons parameter list - the mon parameter, the mon complex limit the parameter needed, or use an object to combine

duplicated code- don't repeat yourselt

con ditronal complexity - watchat
for conditronal loss blocks
that grow over time
consider instead decorator,
stratesy, State design patterns

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Combinatoral explosion - lob of code that does almost the same thms, but with they varations can you use son design pattern to factor at the variation

larse clasurs- like long methods, dittrust to read, understand, trouble shoot too man responsibilities? restrictionar break mto smaller clasures to each mto smaller clasures to each added in method

type embedded in name - redundant, a forces chanse to method name it type changes

uncommunicative name - does method
name succinctly describe what
method does, con you tell the
name to another developer (who
hasn't seen code), a that developer
can tell you what it does

Mionsistent names-pich standard temmology or metaphor & Stich to it

Pase 6 Tuesday 10/21/14 4156 dead rode - delete rode that isn't beingused (it needed, it can be retireved later from vession control) speculating generality - unterede to solve to day's problems, not all possible future problems (unless hnown likely)

lyou (probable) am't sonna need it " oddball solution - only on was of solume the same problem, it months one maybe need adapter temporary field - object that contam optional or unnecessor fields if passing an object as parameter, make surall public fields are used alternation classes with different interfaces-con aborde, con they be modified to share common interface printine obsession - don't use sosgle of printine data tope variables, combre ma class

pase 7 Tuesday 10/24/14 4156 data class- avord classes that passively ston data, usually shald have both methods & data data dumps - it data travels together, refused beguest - it inherting from a class but never use our, thing mherited, shald inhertance be used? mappropriate mtmacy - classes should hrow as little as possible about each other moderant exposur-refactor Classes to

feature envy - methods that make extensive use of another class should perhaps months that class

laticlass - cona class not doing much be collapsed into another class

pare 8 lues day 10/21/14 4156 message chams - avoid long sequences of method calls or temporory wordless extra dependencies middlemmen - It a classis delegating all its diversent chanse - it ditterent chanses after ditterent parts of class, artime, maybe separate into another class Shotgen Surgen - If changes to one class cascade to other classer should refactor to Impachages to a Smile class parallel mheritance hrerarchies - consider foldism to single hierarch of always must chanse both memplete library Class - need a method that's missing so get tacked onto another class Solution special - Simple be consoleded design