

Today's agerda
Lisouro Principle
Short Pancific
MALANDRAN



r good	code - should not have bugk
	6 Maintainable
	h Rewable ~ modular
	Ls Easy to test
	6 should be configurable
s SolI	D design PoinciPles
	G oules enfectations/guidlin
9	
	A Louis Discussion
	<del>l Algorieo</del>
2 -	Single responsibility Principle
0 -	
レー	Lisker's substitution
J.	7 Interface Segregation
<b>D</b> -	
-	UD Pesign
	ls susjective con cell
	<b>▼</b>
Design	n a Bird repo
J	b pesign a system which will store injo
	<b>V</b>



Class Bird (	<u> </u>
. Color;	
weights	
name	
age;	
breed;	
Collect food();	
build nest ();	
makeBound():	
Algorep	
3	
Bird bl = new Birdly	
bl. Color: black;	
bl. name: "coou";	
61. weight = 200;	
Bird b2 = new Birdl);	
b. Color = whik;	
bs name: Pigeon";	
62. weight = 3-00;	





6	13	C	7

62. fly()

PE	void fly () 4  a Mov each type  of bised should
	if (name = = cocw) 1 =
	else if [name :: Pigeon)!
	ese : 1 2 <
Power	3
	elle if Cons) 4
	Else ?
	3 5



## Problems: Difficult to test merge conflict void fly ()

Wi violate SRP (Single selfonsibility
Psinciple)

violates och lopen close Principle?

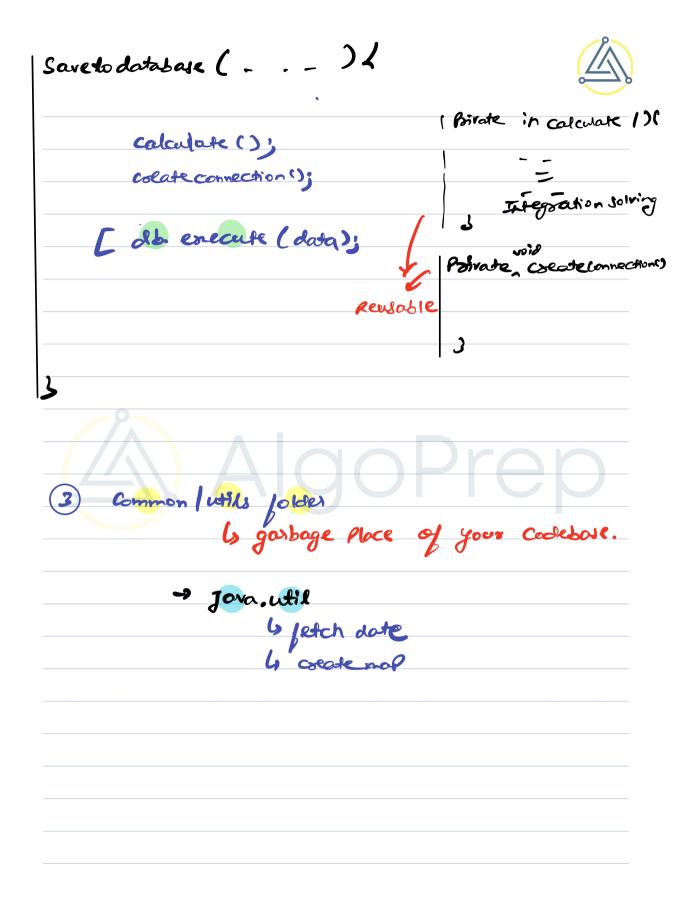
merge conflict



-> Single les Ponsibility PoinciPle
hevery code (method /class/Package)
the law graphs of deliver references that
must have exactly 1 defined responsibility.
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why someone should
edit the code of that cloth
Const
controllers Component
( - · · · · · · · · · · · · · · · · · ·
Ly group controlled
Lyer services
6 030 201003
models   Company   Company
ls Movie
liseat
Co Secretaria de la companya della companya della companya de la companya della c
IPentify violation of SRP
1) methods with multiple if -els.
Mes <sup></sup>
encertion check leafyear (5) 4
if ( yo y. 4 = =0) l
to test yes
euc (40% 100: =0)2
else if Cythisse in John
else if Cytos.
else if Cyrry == 0 20 yo v. 100=0)/ Pear year.  Plue 1 non leaf year

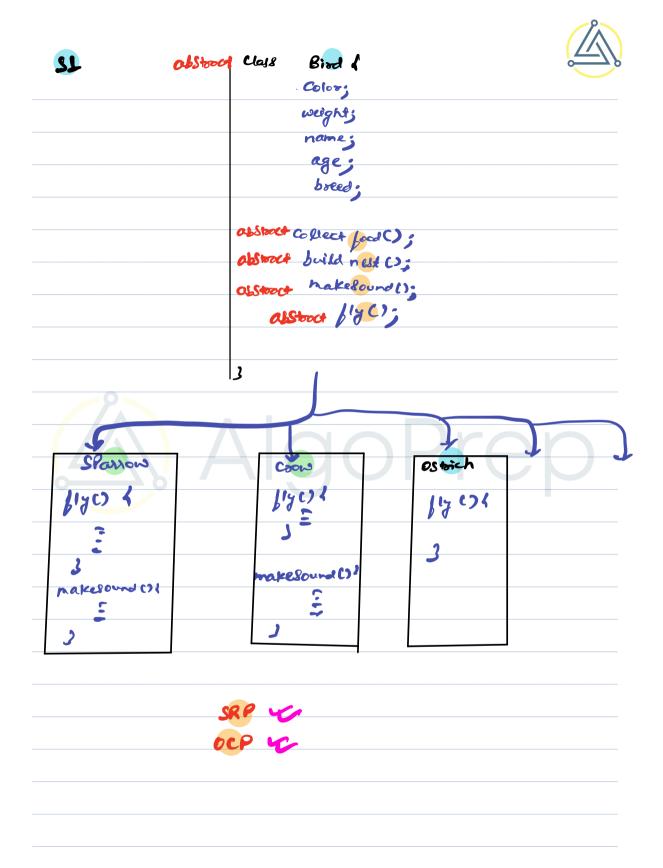


Monster method → large
4 method in which the code is
doing more than what its meant to be doing.
Saveto database ( ) {
Colomate Something
Coloulate Something
_
Coeste db Connection
[ db. enecufe (quey);
,





-) open	Close	PanciPle			
	4	Codebose	Should L	e open	los
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easy to odd		<i>b</i>	adding t	eation should be the character	out
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19					
			<del></del>		
			edification		
	Bola	k till	9:30	m	





	abstract Class Bis	a (	
	Colo	M <sup>*</sup> ;	
	nav ag bri		
	abstract Collect	of CodC)	
	Obstact built	a nest co;	
obs class flying	ניי	<b>30</b> +	abstock class Not ftying Li
3			ر د
COOKE	1		oswich
Ilan I			ان دی وال
makesound()			3
\$			



## - Some birds can buildnest & some can't NBM MEN 2 2 MENLN9 BN8 N3 abstract Clays Bird ( Colors weight; names age; breed; assect collect food (); OF Class BN & NA OSTOCI pbson BN 23 / OSSBOCK NBNOX 7648484 OBS BMC);

