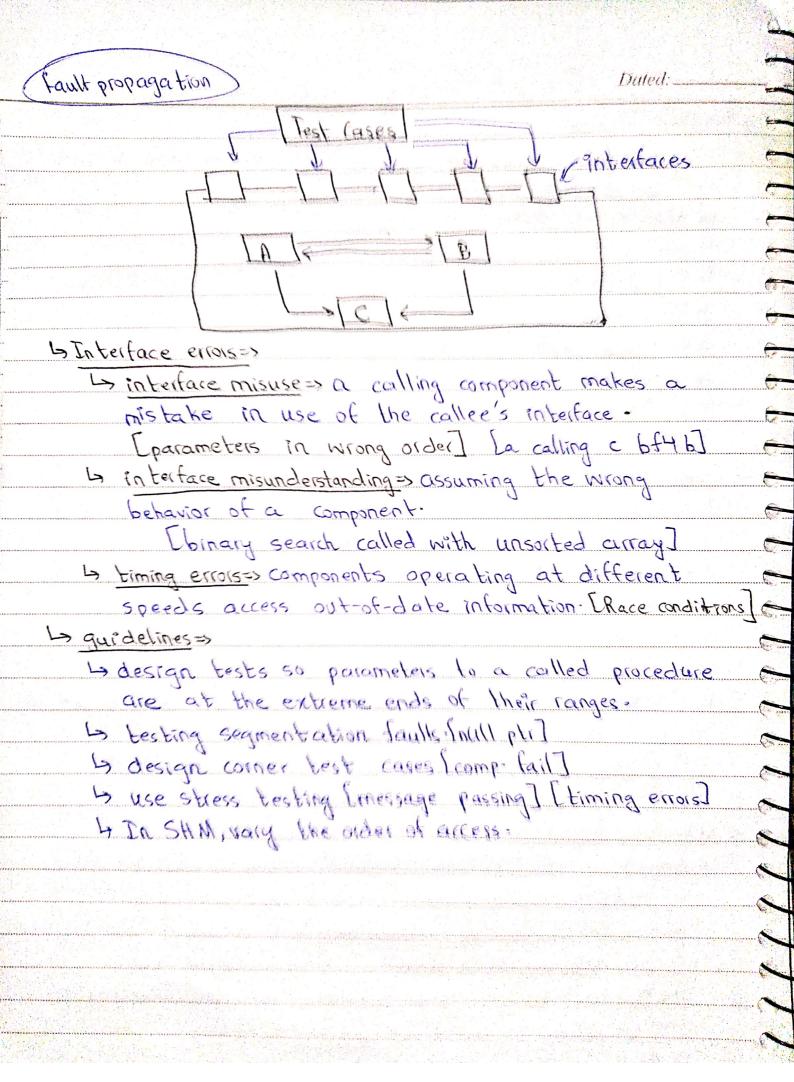
* Component Testing=> Isoftware components are often composite components made up of several interacting objects. La component interface is used to access the functionality of objects. Lift linked objects cannot access the components the interface is wrong. Ly Testing focuses on showing component interface behaves according to its specification. Lassumption that each component works solely well] * Interface Testing=> 13 objectives are to detect faults due to interface errors or invalid assumptions. -> Parameter interfaces => Data passed from one method to other. 5 SHM interface => Block of memory shared blw functions. > Procedural interface=> sub-system encapsulates procedures to be called by other subsystems. Unki testing 15 Message Passing > subsystem reg service from others. 3 MPI



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* System Testing =>

integrale components to create a version of the system and lost the integrated system.

5 testing component interactions is the goal 5 checks that components are compatible, interact correctly & transfer right data at right time.

> * Use-cose testing =

identify system interactions.

Is each use case involves several components so they force the interactions to occur.

1- sequence diagram documents these interactions.

* * Test Oriven Development =>

Sinterleave testing & development.

5 Tests are watten before code and passing the test is

necessary

Is code dei is incremental, along with a test for that increment can't move on before passing all tests-

L. Benefiles

LA CORE EDVERGAR

Is confession testing Scheck it new func is cousing prob to provi

beinday partial

is early documentation

Cyclomatic complexity=>minimiz	e test cases Dated:								
* Basis Path Testing => White bo	ox Testing								
1) Draw the control flow graph.									
2) Calculate Cyclomatic compl									
3) List all Independent Path									
4) Design test cases from independent paths.									
D proprede the									
CC= E-N+2	P Connected components								
Biriding anto two parts									
- can also be done with bounded	regions ire: R+1								
Q Q	r0s								
70 Sequence									
for loop, if -else	loop switch								
for loop if -else 1) Thout a,b,c	(1) step2								
2) If									
3) output	9 6 8 E=12								
4) else if	J N=10								
5) output (3)	5 7 9 P-1								
6) elseif									
7) output									
	-N+2P								
	<u>1-10+2</u>								
10) return CC = 4									
step3									
Paths => 1-2-3-10									
1-4-5-10									
1-6-7-10									
1-8-4-10									
<u> </u>									
	The state of the s								

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					Date	ed:
	Step4	create Tests				
	if	elseif	else if	else	Du teme	
3))	T	F	P	12	_	
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	F	C	12	Ť		

