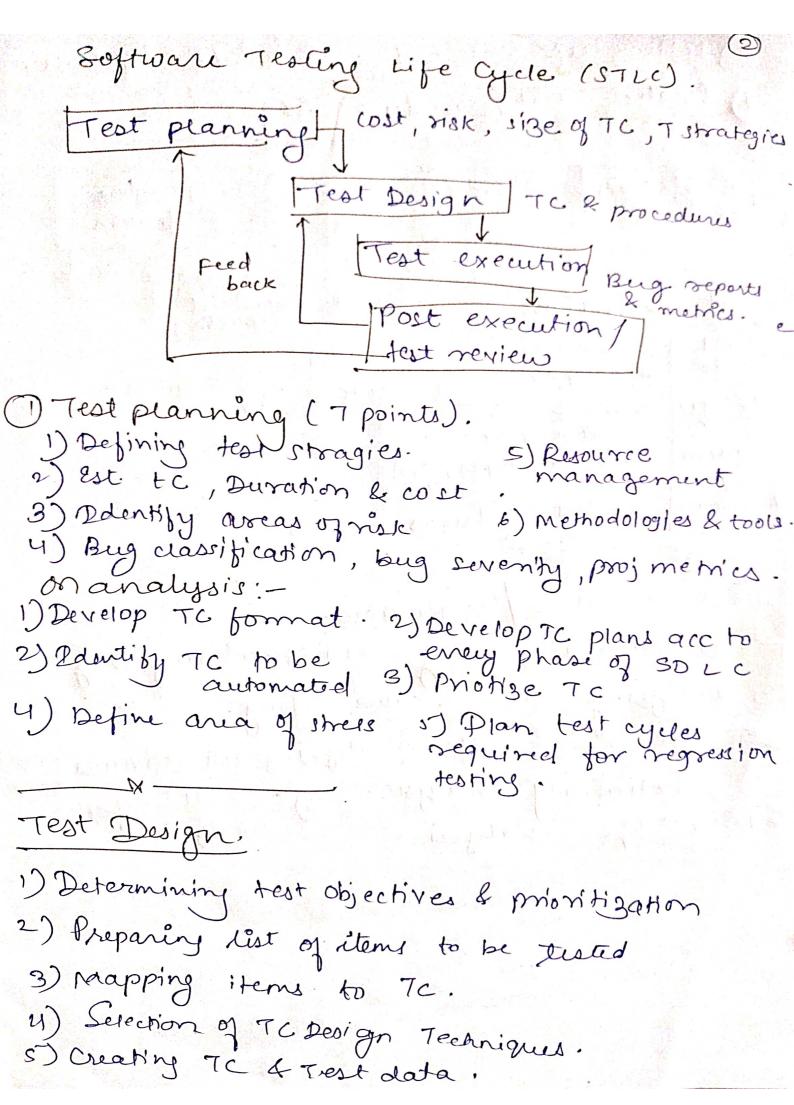
STOA 1) Evalution of Software testing (3) Desmitt on (Pre-1) Debugging (4) Evaluation 1 Demo vention oriented oriented oriented onented phase phase phase phase (2) Process oriented phase Short term Goals Bug Discovery Bug prevention peduced maintanence Software. Testing Reliability Improved testing Quality Customer Satisfaction Kist management post implementation Long term or Sw Unexpeted fesult Software Developer Tester) nethodolog Nature of Bugs model I phy inology Expected of teating Result.

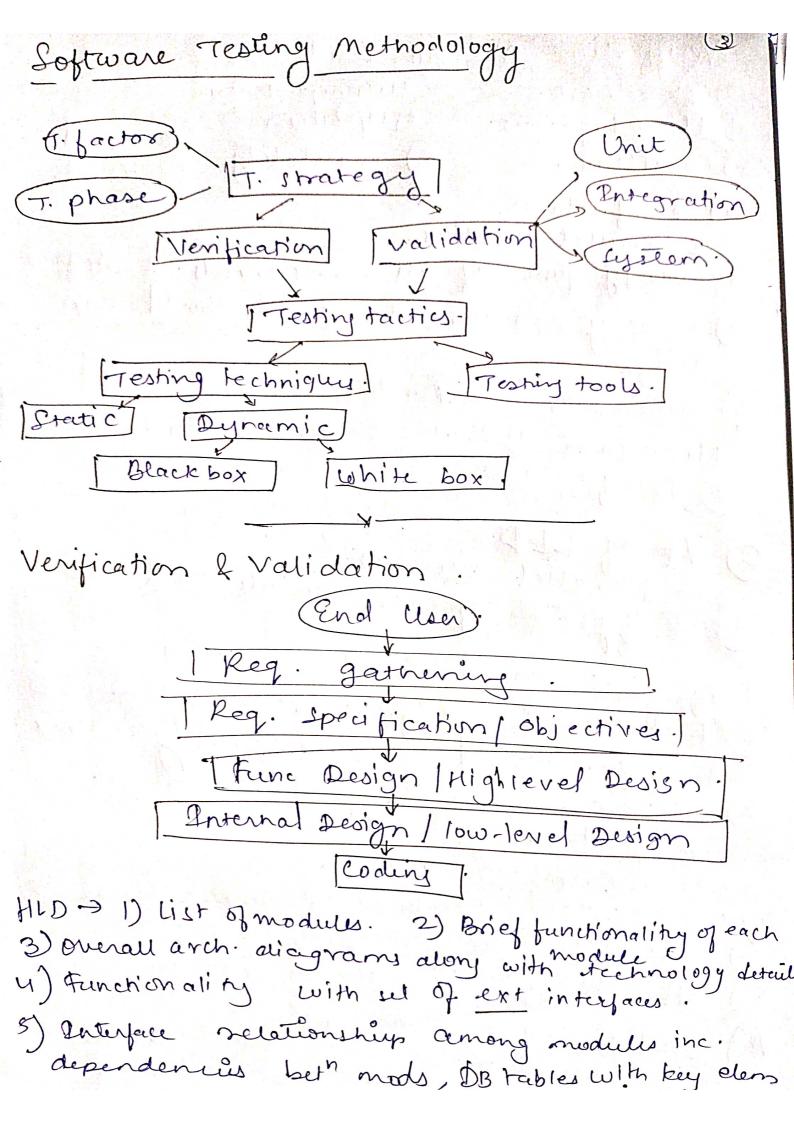
Defination 1) failure - inability, not meiling specified 2) fault - Condition that in actual causes failure B) arror - Dev team member makes nistation any SDLC, errors are produced. [Error -> Bug > Failures. Flow of faults States of bugs (Not sure pg 47) Testing Principles 1) Effective testing, not exhaustive testing 2) Teoting is not a single phase performed in sor 3) Destructive approach for consmittine testing 4) Early testing is best s) Existènce de no of error abready found 6) Everything should be recorded 7) Testing should be performed by independant to



6) setting up the test env & supporting took 7) Creating test procedure specification. Trobjectives - TC & their Te procedure
specification

3 pecification Test Execution Responsible 7.109 Unit Developer T. summary report Integral Tester 4 beveloper. System Tester, Diveloper, End Acceptance testers, Endusers. Post Execution / T. Review. 1) Understanding Bug 2) Reproducing Bug 3) Analyzing nature & cause of Bug. offer this & after unalysing foll activities ca 1) Reliability analysis. 3) Overall defect analysis 2) Conerage analysis

6) setting up the test env & supporting took 7) Creating test procedure specification. Trobjechives - Trof their specifications -Te procedure specification T. incident Test Execution level Responsible. Developer T. Lummary report Integra Tester 4 tion Developer. Tester, Developer, End hoers Testery, Endusers. Post Execution / T. Review. 1) Understanding Bug 2) Reproducing Bug 3) Analyzing nature & cause of Bug. after this & after analysing foll activities can done 1) Reliability analysis. 3) Overall defect analysis 2) Conerage analysis



Verification A) Requirements.
1) Completeness.
2) Unambiguous. 5) Updation 6) Tracebility Forward.
3) Consistent. 6) Tracebill y forward.
B) VI OF HLD.
2 parauel activities. 1) verity tune of all components. L'interface 2) Every requirement of SRS should map 2) Every requirement of SRS should map
1) verity tune of all correspondence
2) Every requirement
Design Cation Lat la based on St
3) Also priperies Function test plan. 2) Arch Design
How to - 1) Dance
Design 3) Also pripavies Function test plan based on Sk How to : 1) Data Design. 2) Arch Design 3) Porterface Design
3) Interface Design C) Vt of LLD activities. 2 parallel activities. 1) Verify 3PS of each module e) & SOD.
2 parallel activités module e) & SDD.
1) verify SRS of each
$\sim 8.11D$
How to:- Design Specification in HLD & LLD Ocheck Design Specification in HLD & LLD Design Specification in HLD & LLD Design Specification in HLD & LLD
Deneck Design Specification in Motor matrix. Deneck Design Specification in Motor matrix. Las been coded using tracebility matrix. 2) Examine code against language.
has been code against language
(L) Chair
specification -1) mixed mode operation code verification -1) mixed mode operation code verification or incorrect con themetic precedence
e de venification de misunderstood princorrect con innetic precedence of misunderstood princorrect con innetic precedence of misunderstood of precision incurrage of procession in incurrage of procession in the first of the contract of the
3) Privarect unihalization of sait. 7) 00 100p.
5) Diff data type 6) Failure to exit. 7) 00 100p.
A) Static technique B) Dynamic testing
technique.

UNIT Venification:

white Box oriented, vf of mods.

Validation

1) Acceptance T. Planprepared in requirement phase according to acceptance on tena.

2) bystem test planverity obj specified in SRS.

Function T. plan.

prepared in HLD phase. every type of functionally can be tested.

pripared to reviolate itue integration of all mods such all their interdependencies an cheeked.

D'init test plan.

Prepared in LLD. Tplan for each.

mod. separately.

Validation T. Exec.

- 1) Unit V. testing -
- a): Smaller block, attention is focused
- b) if whole sw is tested at once, Diff to.
 find bug. .: Debugging Easy with U.T.
 - c) Diff. module, Diff developer
- 2) Integration testing combining & testing multiple components
 or mods toghether intention is to
 lincover the bugs present when unit testing
 mods are integrated.
- 3) Function Testing the auality of obj is to measure the auality of functional (business) components of system.