It is a method of slw testing that examines the functionality of an application without looking into it's independ stellers of working.

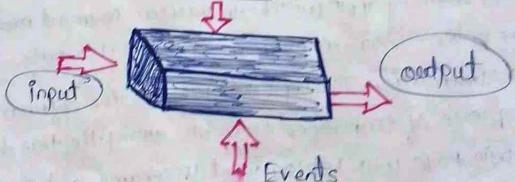
This method is applied of every level of slw testing: unit) (integration) system and acceptance,

Tests are based on requirement to functionally

ie. smallest madule soule it sens ward to test the code that will be want to test the coor application done by unit readily donating application ap will be testedby the plage pay.

I Whenever you combining all the smallest element into lone element that they will done in integration testing, so the integr testing done indepenally How the Coole is interacting is able to comme the madelos.

requirements



I) It is carried and to test functionality of the Pragram also called as "Behavoral testing"

The tester in this course, has a set of PIP values and desired results. On provid 10. if the ofp matches with the desired results, the) rogram is desided 104%.

In this testing method, the design 2 steuchuse of Coole as so of known to tester and testing engineers and end users concluded the this test on slw. * Blace Box testing techniques BVA is used to identify the flows DE essoes that asise due to the limits of 1 Boundarsy value Analysis: input deuta. @ Equivalence pastitioning :eg:- 1-100 3 Decision table testing on BVA - -1, 1, 100 4) state Transition Testing > It checks the i/p into equivalent 3 Grouph - Based Testing Classes. The date must be tested of 6) EFFOR GRYESSING Technique least once to ensure maximum test Coverage of dota, This appearach creats test cases based eq! - valid class: - 1 to 100 lang Na on various possibilities. It consider multiple test Cases in a decision table Invalid class: - 1 (cheding the Format Where each Coind" is checked Invalid class: 101 (Highest to H) & fulfilled, to pass the test & provide occurate o/p. eg: - A food delivery apply will check votious payment modes as ilp to place the order - decision making based on the table. 4) State Transition Testing: - It checks the software against the sequence of teansitions of events among the test docter. eg: - A login Page will letyou input use Ename and pass word until three attempts. Each incorrect password will be sent the user to the login page. After the third attempt, the uses will be sent to an effor page. This state transition method considers the vortions state of the system be the ilp to pass only the right sequence of the testing.

It is similar to a decision-based test case design approach Where the relationship between links & ilp cases are considered 6) Foror Gluessing Technique! This method of designing test cases is about guessing the output & ilp to fine any exposs that might be present in the system. It depends on the skill be judgment of the Jester. * API status Coole HTTP (Common) status Cooles.) 100 (informational) @ 200 Du (success) @ 300 (Redisectiona) 1) 400 (Went Effor) 3 500 Se EVER Error. 400/5

20015 Success 200 ! OK 201: Created 204: No Contest

Client effors 400: Bad Eegluest 401: Unauthorized 403! Foebidden 404: Not found 405! Method not 411: Length required 414: URI +000 long 415! Unsupposted media type

Server effors 500; Internor Servez 507! NOT implemented 502! Bad gateway 363; SeEvice 5041. Gateway timeaut

50015

CRUD: - Credit Read update Pelete. 500AP 65 * simple object access protocoly to Rest * Reepsesentative stade Transfer * only uses xmL down format. * It Permits many doctal formats, including plain text, HTML, YML * Required more sesources and & JSON * Require tempe sessources band width. and is light weight of data comment be conched of doute can be cached * Produced State ox Protocol Style Acchitectural style * Random testing (Montey testing) / ad-hoc testing L) we will perform the abnormal actions on the application to check the Estability of the application. eg. - we click the south button more times.

perto

* Effor guissing defect :- Based on emperties level we able to. Judge & find the defects proactively is colled effor guissing elefect.

A Effor Cedding defect: - introducing the defect to find out more defects or finding the roadquare analysis of some defect.

RUD functionality (create, Read, update, belete) to perform crup funds we have HTTP methods 6 Delete DGet @ Post 3 put 4 Patch it use to delete Read the days To create days the docta It use to update the date (PUT (POST)

(i) Post sends about a to a predicular URI & expects the rescource at that URI to deal with the reg. The web seever at this point Can devide what to do with the does in the content of specific Exsource.

1 PUT puts a file of resource at a pesticular URI and exactly at that URI. if there is already a file of resource at that URI, PUT changes that file or Eesaysce if there is no sesource or file twee, PUT makes one

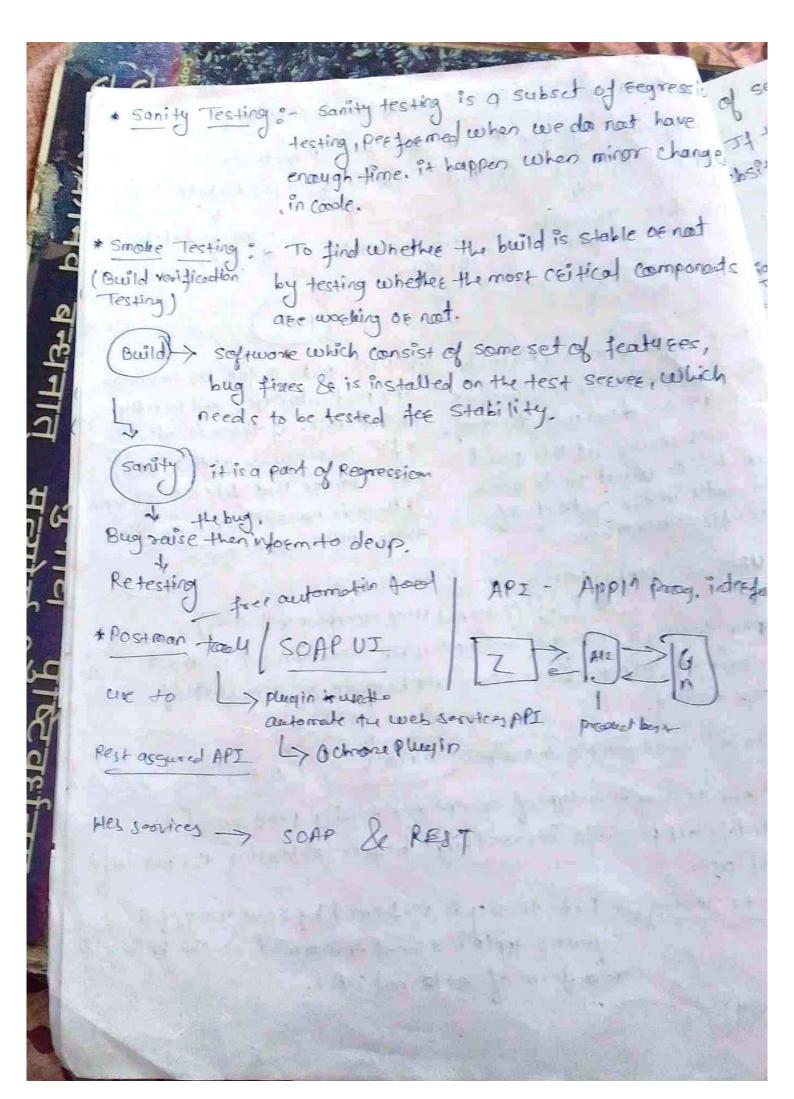
UAT -> Alpha testing & Beta testing.

1 (indeenal user acceptance testing) alpha testing is testing of an apply when development is about to complete. Minor changes can still be made as a sescult of alpha testing.

Unit > (indegreet) > (sImtest) -> (Alphart, Betar)

Alpha testing is a type of acceptance testing performed to identify all possible issues/bugs before releasing the product

* Beta Testing: - Beta testing is performed by real uners of the Software apply in a real environment & can be considered as a form of enternal UAT.



for of severity & Privaity ? If the Company name is misspelled in the home page of the Website then the perosity is high & severity is low to finit Rug Severity Bug Perocity High priority & low severity High Severity & low Priority status mains that the bug U Status means that the bug can must be fined immediately but Course significant damage, but Can be firsted at a later date it does not affect the software too advæsely * High Perosity & High seresity An error which occours on the basic functionality of the application and will not allow the user to use the system. (Eg. A site maintaining the student details, on saving record if it, doesn't allow to save the second then this is high pelotity & high serecity buy.) * Low Severy & Low Priority. (Eg. A minor low severity buy occours when there is almost no impact on the functionality but it is still availed defect * Regression Testing. The testing is done to make sure that new code changes should not have side effects on the oneisting functionalities. It ensures that the old coode still works one the ladest code Changes are done.

> 0 Don't fight with the developer * Most will you do when developer does not accept by ? (2) Check with PO about the use case Discuss the scenario (3) Whood was sceng Eio check with BA for the require ments 1) Identify the Steps 1 Analyze the issue. Collaborate with Team. what do you do when you find a bug & (3) Try to do Root Cause Analysis (2) Check the logs