

Survey of Software Testing and Method

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Abstract— Testing in software is important to maintenance, Validation, software costs and reduce error. The problems in testing is how to suitable for testing technical to test a system. In this paper student and faculty should have known the different type of testing techniques. Now there is so many testing techniques available for a test a system. The main goal is to compare, error detection and analysis of the different papers. The testing technique which is use to find the error from the software.

Key words: Testing, Software Costs, Error Detection

I. INTRODUCTION

In software development testing is very important

In testing there are basically three way to explain

- 1) Behaves verify as specified
- 2) To validate the specified user actually Wanted
- 3) Error detect.

Error detection in testing is if some part of the application not working well it should be detected on here.

In Verification it is use to sure that working of the system well it give the answered the question which build the system. The system in this is also check the items including software.

II. CLASSIFICATION OF TECHNIQUES

As we know testing in software is a part of an internal software development life cycle[Sdlc].In software development word there are different type of method for testing which is widely use .in below there are list of some method.

- White Box Test
- Black Box Test
- Gray Box Test
- Unit Test
- Regression Test
- Security Test
- Beta Test
- Recovery Test
- Usability Test
- Performance Test
- System Test

The software Testing method which is listed above is implemented basically two way 1. Manually 2. Automation.. in manually Human testers actually check the part of the code and find the bugs in it. In Automation they do same thing but in this the main goal is test techniques and method and improve test process.

The box approach:- software testing in box basically two type1) white box and 2) black box and it is use to Describe the view for designing test cases.

White Box Test:-In this testing the detailed of logic which is internal and structure of code. the tester need to see and look inside the code and find the unit or part of the code which is not work well.

Black Box Test:-Black box testing is find the error without having any knowledge about interior working of the software in black box tester will interact with the system without know how and where input and output are using the techniques.

Gray box:- In grey box testing technique we need limited knowledge of the internal working of the software in other word black box test tester only test the application .in grey box user interface has access the design document and the database.

Static and dynamic approach:- There are many approaches in testing but static testing can be more omitted in practices in other way dynamic testing takes places when the program itself is used dynamic testing it is begin before the programs is complete in order to test particular part of code.

A. Comparison:

Point	Black box Test	Grey Box Test	White Box Test
working	Internal Working Is not required	Sometime the internal working are useful	Developer has to knowledge about internal working
performer	Users , Tester and also Developers	Users, also Tester and Developers	Testers and Developer are use
Time	This is least time consuming and exhaustive	Partly time consuming and exhaustive	Time consuming and exhaustive type of test
Where useful	In algorithm testing not useful	In algorithm testing not useful	In algorithm testing not useful
Use	done by error method	internal boundaries and Data domain tested	Like grey box data domain tested

Table 1:

III. CONCLUSION

In conclusion, software Testing is more important part In this paper we see different type of method which is use on different cases but on here we can conclude which one is more useful compare to other and it is useful one way to other .The major point is that all the testing Technique use and knowledge is not more, so we need more good Techniques. A limited knowledge about different techniques we cannot say about which is more useful of all of them.

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