HACETTEPE UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING

Student

Name : Metin   Surname : DEMİR

Student ID : 21526902

Department : Computer Engineering

READİNG ASSIGNMENT 4

Subject: Test Management

Advisors: Dr. Ayça Tarhan , Dr. Tuğba Erdoğan , Pelin Canbay , Burcu Yalçıner, Nebi Yılmaz

Test Management

Testing management is navigate through a proliferation of test cases, organize them, assign them to testers, orchestrate testing, collect test results, and measure progress. Some technologies tools let us management use cases. We can look testing management divide test management to part.

Testing Effort

For test management company show to much effort meaning of it the cost testing is so much. Effort is depend project size and complexity. project managers and developers to make testing as efficient as possible and its causes too much time.

Test Measurement

Test allow product manager and developer notice where is product they have lack. So they try to reach this lack as soon as possible. We can look test measurement in different part shapes. Let s look at. Firstly, Defect removal efficiency meaning of it remove problem without as soon as possible without hurting program. Second one is Test efficiency this case a different definition is the percentage of tests that find bugs, it can also show which tests are more effective in finding bugs. And we have some special phrase for test measurement for example pass rate. Mean of pass rate is he ratio of tests that pass to the total number of tests. Opposite of pass rate is passes versus failed test. The third one is testing defect arrivals over time that's mean graph all result about time. It is show us our project how much successful if we have so much different between Attempted and Successful our project will have too much effort. The fourth one is testing defect backlog over time is a graph, too. This metric can be used to guide process planning by agreeing in specific targets for defect backlog before

shipping. And other one is test coverage this mean of much time we tested and get result. The last one is testing confidence and is find by given a formula about the result and number of tests.

Test Case Management Tools

We have so much management tools and this tools have different advantages and disadvantages so we have to select this tools about our project. Some project have big size some of project have small size but have enough resource for better result. And something things to consider when choosing which to adopt include the following; Interoperability with bug- or issuetracking systems, Interoperability with requirementtracking systems, Information kept for each test case, Degree of automation, Reporting capabilities and metrics calculation, Interoperability with authentication systems, Installation requirements, Cost and license. Test case management tools typically start with a way to define test cases. he most important attribute of a tool isn't its technical capability but how effectively it's used and how well it's adopted.