Survey on Methodology for reduction data in bug assignment system

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Abstract - *Bug Triage technique developed only is some of the large software development houses. Most of the others never had bothered with Bug Triage (recording) at all, and instead simply depended on shared lists and email to track the status of defects. This procedure is error-prone and tends to cause those bugs judged least significant by developers to be dropped totally or ignored. Bug-Triage System is perfect solution to keep record of the bugs of any product, solution or an application. Bug Tacking System allows one or groups of developers to keep track of most required bugs in their product effectively. This can also be called as Defect Triage System. The Bug Triage System can drastically increase the productivity and accountability of individual employees by providing a well-documented work flow and positive documented feedback for good performance.*

Key Words: Key Product and Component based, Creating & Changing Bugs as per the need at ease, Query Bug List to any required extent, Reporting & Charting in more easy way, Simple Status & Resolutions, Well differentiated Priorities & Severities, Targets & Milestones for guiding the developers, etc…

1. INTRODUCTION

The main objective of this system is to create error less system, which can access real time(existing) information from anywhere in the world, 24 hours a day 365 days in a year. Another aim is that manage more number of projects (in the range of hundreds) in multiple locations or just a few. Another main objective of this system is track the all the errors or bugs in the project and make the project user friendly to all users and bugs free system.

2. LITERATURE SURVEY

Bug Triage System is an ideal solution to track the bugs of a product, solution or an application. Bug Triage System allows single or groups of developers to keep track of dangerous bugs in their product effectively. This can also be called as Defect Triage System. The Bug Triage System can drastically improve the productivity and accountability of Individual employees by providing a documented work flow and positive feedback for good performance. For many years, bug-Triage mechanism is employed only in some of the large software development houses. Most of the others never bothered with Bug Triage at all, and instead simply relied on shared lists and email to monitor the status of defects. This procedure is error-prone and tends to cause those bugs judged least significant by developers to be dropped or ignored.

In any software development bugs are inevitable. Let it be any kind of product bugs arise to any phase of development. One has to take a great care in proper maintenance and resolution of the bugs. In the Existing system the bugs are not properly maintained and they are simply relied on distributed lists and email to monitor the bugs. In this type of system it becomes difficult to track a bug if a bug is over looked then it may be cause tremendous errors in the next phase and can improve the cost of project whatever necessary effort spent on the bug maintenance may not be worthy. So bug history has to be maintained properly. And there is no efficient search technique. One has to search the whole database for the details of particular bug which might have occurred sometime earlier. It is both time consuming and error prone. And it is very difficult to share the bug among several users as there is no proper maintenance of the bugs. In order to have an efficient product bugs must be maintained properly and should be resolved in time both to reduce time and money spent on the development.

3. EXISTING SYSTEM

In any software development there has to be some bugs irrespective of good development. Let it be in any kind of product bugs arise at any phase of development. Bugs may arise at any phase of development that may be coding phase or designing phase. Everyone has to take a good care in the proper direction and resolution of the bugs. In the Existing system the bugs are not properly maintained

and they are simply relied on distributed lists and email to monitor the bugs.

In this type of system it becomes quite difficult to track a bug .If a bug is present from long time then it may causes enormous errors in the next development phase(may be coding, designing phase) .If the required bugs are not improved on time the cost of project may gets increased. So bug history has to be maintained properly. And there is no efficient search technique.

One has to search the whole database for the details of particular bug which might have occurred sometime earlier. It is both time consuming and error prone. And it is very difficult to share the bug among several users as there is no proper maintenance of the bugs. In order to have an efficient product bugs must be maintained properly and should be resolved in time both to reduce time and money spent on the development.

4. PROPOSED SYSTEM

- This system maintains the developed products, Bugs and Bug Triage(bug history). It has advantage of maintaining bug history it stores all the details from bug origin to bug resolution i.e. from origin of bug to solution of bug.

- Each product can have versions for easy maintenance of the product, for easy difference making and all the user of the product is stored in the database. It provides the advantage of maintaining users to the bugs and resolutions provided by them.

- Our System provides the searching based on status(active), priority(by providing numbering)and operating system.

- It provides with user and bug hierarchy, which would be helpful in knowing the relation between bugs and users allotted to the bug.

- It is provided with a fully authenticated system with password encryption. And has the facility for storing attachment files for a bug.

- One can keep a track of the bug in a product with much lower cost and with very less effort.

- The more advantage of this system is maintaining log records which are help full in knowing any errors

,bugs or misuse of the system by other users.

3. CONCLUSIONS

User comes to the search engine and makes a query, typically by giving key words, the engine looks up the index and provides a listing of best probable matching web pages according to user's criteria, usually with a short summary containing the document's title and sometimes parts of the text. Most search engines employ methods to rank the results to provide the "best" results first. How a search engine decides which pages are the best matches, and what order the results should be shown in, varies widely from one engine to another. Search engine is technically the software and algorithms used to perform a search, the term have become synonymous with the website itself.

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