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## BUG TRACKING SYSTEM

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### ABSTRACT

Bug-Tracking mechanism is employed only in some of the large software development houses. Most of the others never bothered with bug tracking 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. Bug-Tracking System is an ideal solution to track the bugs of a product, solution or an application. Bug Tracking System allows individual or groups of developers to keep track of outstanding bugs in their product effectively. This can also be called as Defect Tracking System. The Bug Tracking System can dramatically increase the productivity and accountability of individual employees by providing a documented work flow and positive feedback for good performance.

Keywords: bug tracking system

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### *1. Introduction*

Bug tracking system is the perfect or unique solution to track the bugs of a solution, product or an application. Bug tracking system admits single or set of developers to continue track of not finished bugs in their product successfully. Bug tracking system can also call as defect tracking system (DTS). For good performance the bug tracking system can increase a lot, the accountability and productivity of single employees by giving a positive feedback and back up the workflow. The bug tracking software allows or group of testers or individual testers to keep path of unfixed bugs in their software successfully. The Bug tracking software can track bugs, can handle code changes, can share information with teammates, submit and review connects and control standard assurance.

#### *1.1 Objective*

The main objective of this system is develop flawless system, which is access real time information from anywhere in the world, 24 hours a day 365 days in a year. Another aim is that manage hundred of projects in multiple locations or just a few. The another main objective of this system is track the all the defects or bugs in the project and make the project user friendly and bugs free system

#### *1.2 Proposed System*

The proposed system is designed by using the problem statement. This system eliminates the problems in existing system. The requirements of the proposed system can be defined by going through the existing system and its problems.

#### *1.3 Module Description*

Employees are of two types, developers and testers. Developers are used to develop program and open bugs where as testers resolve the bugs and save to the database. Manager takes care of recruitment of employees and the management of employees in the project and monitors the completion of project. Administrator is a person who will take care of all registration status, acceptance of new bugs, and many other tasks to reduce burden on employee

#### *1.4 Significance*

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This system can be used that improves the bug tracking process by providing a single centralized case workflow from where defects can be monitored seamlessly. It also provides a platform for reporting , defect lifecycle management and traceability of bug reports among other.

### ***1.5 Originality of the Project***

Detecting bug in the project by using the bug tracking system that helps to run the project without any lag and that saves time and bug free system

### ***1.6 Conclusion***

The amount of data available in the bug repository Plays an important role in bug handling. So as to reduce the Data in bug repository, the bug reduction techniques must Be implemented. The data in bug repository is majorly Reduced by neglecting the redundancy data in the bug Repository. Then the subset of the data in data repository Is obtained. In future we planned to develop a predictive Model which predicts a developer based on the type of Bugs obtained. Then an historical data management System is maintained which keeps record of bugs which Are reported and resolved in prior. A comparator checks With this historical data management system when a new Bug is reported, if it is found to be reported again the Historical data management system resolves it Automatically without assigning to an expert

### **REFERENCES**

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- [1] B Jifeng Xuan, He Jiang, Yan Hu, Zhilei Ren, WeiqinZou, Zhbeongxuan Luo, and XindongWu, "Towards Effective Bug Triage with Software Data education Techniques" iee transactions on knowledge and data engineering, vol. 27, no. 1, january 2015.
- [2] karishmaMusale, GorakshanathGagare, "Towards Effective Troubleshooting With Data Truncation" , "International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 11, November 2015"