

A Bug Report Analysis and Search Tool: Improving search and analysis of duplicate bug reports



Software maintenance and evolution are characterised by their huge cost and slow speed of implementation. Yet they are inevitable activities ? almost all software that is useful and successful stimulates user-generated requests for change and improvements. A set of studies has stated along the years that software maintenance and evolution is the most expensive phase of software development, taking up to 90% of the total costs. All those characteristics from software maintenance lead the academia and industry to constantly investigate new solutions to reduce costs in such phase. In this context, Software Configuration Management (SCM) is a set of activities and standards for managing and evolving software. For all these activities it has been proposed different tools, such as version control systems and bug trackers. However, some issues may arise due to these tools usage, such as the dynamic assignment of a developer to a bug report or the bug report duplication problem. In this sense, this work investigates the problem of bug report duplication emerged by the use of bug trackers on software development projects.

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A Bug Report Analysis and Search Tool, Yguarata Bug-tracking and issue-tracking systems tend to be populated with bugs, issues, or tickets knowledge, or time to efficiently search the issue tracker for similar issues. the bug-deduplication problem using off-the-shelf information-retrieval tools, such as (LDA) topics, can be exploited to improve bug-deduplication. **Evaluating a Tool for Bug-report Analysis and Search** Ashish Sureka , Pankaj Jalote, Detecting Duplicate Bug Report .. Works for me! characterizing non-reproducible bug reports . Knowing what to search for and how is . . Static analysis (SA) tools that find bugs by inferring programmer beliefs (e.g., FindBugs) are commonplace in todays software industry. **How to avoid duplicated bug reports, described from different user a**

Triager spends in searching for duplicate bug reports of any incoming report. Keywords-Bug Report Analysis, Duplicate Bug Detection,. Text Classification **Yguarata Cerqueira Cavalcanti** A Bug Report Analysis and Search Paperback. Improving search and analysis of duplicate bug reports, Yguarata Cavalcanti, Paperback, januari 2010, 1-8 **A Visual Bug Report Analysis and Search Tool. (PDF Download** In addition, a tool for bug reports search and analysis (BAST) is proposed to deal that BAST worked better than the other one, both to reduce the time of analysis, 111 This work is focussed on the problem of bug report duplication problem. **Improved Duplicate Bug Report Identification** of many duplicate bug reports may cause much unnecessary manual efforts as often a by improving the accuracy of automated duplicate bug report This work provides such a tool. Why does research community there have been two threads of work. .. we perform a sensitivity analysis on the value of k to see its effect **Towards more accurate retrieval of duplicate bug reports - IEEE Xplore** skills, vocabulary, knowledge, or time to efficiently search the issue tracker for for improving the accuracy of detecting duplicate bug reports of a software ically, to improve bug-report deduplication. a mathematical theory of data analysis using formal contexts In [7], Runeson et al. have developed a prototype tool to. **A Contextual Approach towards More Accurate Duplicate Bug** A Bug Report Analysis and Search Tool . Presentation Yguarata? data selection All bug reports till June/2008 Project LOC Results Question 1: 2 The Bug De?nition The goal of this experiment was to analyze a tool to **Improving the accuracy of duplicate bug report detection using** In this paper, we propose a practical duplicate bug reports detection method, and query feedback, which are useful for improving the detection performance. and improves the recall rate by up to 8% in relevant bug report retrieval. Reference tools . Not logged in Google [Search Crawler] (3000811494) 66.249.65.80. **Practical Duplicate Bug Reports Detection in a Large Web-Based** Visualization techniques, aiming to assist developers dur- ing analysis and identification of duplicate bug reports. The tool features development was supported **Intelligent Computing Technology: 8th International Conference, - Google Books Result** A Bug Report Analysis and Search Tool: Improving search and analysis of duplicate bug reports on ResearchGate, the professional network for scientists. **Buy A Bug Report Analysis and Search Tool: Improving search and** **A contextual approach towards more accurate duplicate bug report** In the future, we will examine our method to more open bug repositories(e.g. for enhancing the ranking algorithm so that improving the accuracy of developer Q.: DREX: Developer Recommendation with KNearest-Neighbor Search and Kim, S.: CosTRIAGE: A Cost-Aware Triage Algorithm for Bug Reporting Systems. **A Bug Report Analysis and Search Tool: Improving - ResearchGate** A Bug Report Analysis and Search Tool and Its Validation Aiming to improve change management processes of software projects develop- .. analyzed: master bug reports that have only one duplicate bug report, also Abstract: In a bug tracking system, different testers or users may submit multiple reports on the similarity formula in information retrieval community, specially for duplicate report retrieval. The experiments show 10-27% relative improvement in recall rate@k and 17-23% Basic Search Author Search Publication Search. **Automated Duplicate Bug Report Detection Using Multi-Factor** The results showed that BAST worked better than the other one, both to Bug Report Analysis and Search Tool) for search and analysis of bug reports. BAST was to reduce the number of duplicate bug reports that are frequently submitted. **Assisted Detection of Duplicate Bug Reports - UBC Computer Science** lets avoid wasting time a triager spends in searching for duplicate bug technique to improve the detection performance. We tested feature, Bug Report Analysis, Cluster Shrinkage . The Word Vector Tool is a Java library that can help us **A Bug Report Analysis and Search Tool (presentation for** **BUGMINER: Software Reliability Analysis Via Data - Columbia CS** Keywords: duplicate bug reports detection, topic model, LDA, N-gram, To improve the detection accuracy, in this paper, we propose a new **none** Bug-tracking and issue-tracking systems tend to be populated with bugs, issues, skills, vocabulary, knowledge, or time to efficiently search the issue tracker for similar issues. (LDA) topics, can be exploited to improve bug-deduplication. ignore the context of software engineering when using IR tools for deduplication. **More Accurate Information Retrieval-Based Bug Localization Based** **BUGMINER: Software Reliability Analysis Via Data Mining of Bug Reports** be used to improve the quality of the bug reporting, reduce we present BUGMINER, a tool that is able to derive useful . A common way of searching a bug report database to find out 3.4.3 Is the New Bug Report a Duplicate? **Academic paper: A Bug Report Analysis and Search Tool and Its** A bug report analysis and search tool / Yguarata. Cerqueira . 3.2.4 An Approach to Detecting Duplicate Bug Reports Using Natural .. Aiming to improve change management processes, some organizations have used specific systems **DupFinder: Integrated tool support for duplicate bug report detection** a large number of bug reports may help improve the quality of software, it is also a Most work on bug-report analysis focuses on how to use bug reports efficiently. on bug-report triage includes bug-report prioritization, duplicate bug-report of a search engine, the preceding process takes a bug report as a query in

Detecting Duplicate Bug Report Using Character N-Gram - IIT-Delhi Further, empirical analysis is required to validate these proposed methods of To handle this additional information, given a bug report with a screenshot of the error the duplicate bug detection algorithms to provide improved duplicate bug results. This could further increase the processing time for duplicate search and **A Bug Report Analysis and Search Tool: Improving** - - Buy A Bug Report Analysis and Search Tool: Improving search and analysis of duplicate bug reports book online at best prices in India on **Evaluating a Tool for Bug-report Analysis and Search Yguarata** bug reports, especially when the numbers of files and reports are large. . a bug report as a query, and uses it to search for relevant files in the latent semantic analysis (LSA), is an indexing and retrieval model in bug localization and found that it is worse than SUM but better .. We use JGibbLDA7, an open source tool. **A Visual Bug Report Analysis and Search Tool - ResearchGate** to suggest potential duplicate bug reports to a bug triager who is processing a new report. We tested and recall rates of our approach, we found that its use does increase the dupli- .. most frequently occurring reports, and to search for whether a similar report An analysis of all Firefox bug reports from project inception. **An Approach to Detecting Duplicate Bug Reports using N-gram** One thing I do is attempt to have the bug report analyzed quickly by the been reported (your team does search first, right?) have a better chance of to teach them how to use search in the bug tracking tool more effectively. **A survey on bug-report analysis - Semantic Scholar** to search for duplicate bug reports. Our goal is not to design a new algorithm but rather to implement an existing technique into a tool **Data Science and Big Data Computing: Frameworks and Methodologies - Google Books Result** Buy A Bug Report Analysis and Search Tool: Improving search and analysis of duplicate bug reports on ? FREE SHIPPING on qualified orders.