Challengers of Manual Bug Management in Software Development Industry: A Comprehensive Survey

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Abstract. Software Systems are always released with bugs. In software development, the life cycle bug resolving process plays a vital role in the development and evaluation steps. Because developers can encounter a considerable amount of user and tester errors daily while during the testing process. The bug management process is an important part of software maintenances and development. In particular, incorrect action or activity is done by the developer or development team. Always this process may handle sensitive data. Handling cross-functional bug management using these sensitivity data, it should be a huge financial loss of software development project. So, this survey-based research's main objective is to identify the challenges of Manual bug management in the Software Development Industry. With Investigation of researches Duplicate bugs Assign is an anomaly in every organization in the world that manage bugs manually, this research observes the result Using questionnaire for developers and also research analysis using qualitative data collection. This paper is based on research work carried out with the objective of Challengers of manual Bugs management found with time consumption, budgeting, Duplicate bugs assign, and customer satisfaction.

Keywords: *Bugs, Relative Similarity, Duplicate Bug Assign*