A Survey on Automatic Defect Report Triage

Authors:
Sayali S. Pawar, S. S. Sonawane

Abstract

Software organizations use defect tracking system to keep track of reported software defects or bugs. Assigning a defect report to the proper developer is called as defect report triage. Large projects receive a large number of defects daily. It is a labor-intensive task to assign these defects to proper developers manually. It is prone to mistakes, like the assignment of defect report to a wrong developer. An automatic approach for defect or bug report triage reduces cost and time required in defect report triage. There are existing machine learning and information retrieval techniques for automatic defect assignment. This paper presents a survey of available defect report triage methods. First this paper gives a brief background of the defect reports then summarizes the existing defect report triage techniques and points out problems with these techniques.

References

1. J. Aranda and G. Venolia, “The secret life of bugs: Going past the errors and omissions in
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Index Terms

Computer Science

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Keywords