Abstract

Performance is an important non-functional attribute of the software system to be considered for producing quality software. Performance analysis by estimating development effort of the database application and workload estimation during preliminary design stages is an important consideration. In this paper it is propose a methodology for estimation of effort by considering Entity Relation model and combination of technical and environment factor(weak, strong) for
performance analysis during preliminary design stages. Estimation of effort based on the complexity of ER by considering the entities set, attributes, relationship complexity, and structural constraints. The results are validated using multiple regression technique with case studies.

References

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**Index Terms**

Computer Science  
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**Keywords**

ER model  
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