

REUSE FREQUENCY EFFECT CLASSIFICATION MODEL (RFEC) FOR CLASSIFYING REUSABLE SOFTWARE COMPONENTS

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Abstract

Procuring Reusable Components from the Reuse Repository is an essential task for developing any software system. To perform this task the different directions of analysis should be conducted on existing Reusable Component (RC). For reducing the effort on analyzing and selecting suitable reusable elements the Reusable Elements are classified in 'Reuse Repository'. In this paper we proposed 'Reuse Frequency Effect (RFE)' based Reusable Elements classification with the use of 'Hit Ratio' and 'Performance Improvement' in the product development side. This way of classification can help the project management team to select right Reusable elements to reduce the risks in development and resource management. Hence it may improve the quality of the Process Model and product.

Keywords : Software Reuse, Reusable Component Classification, Development Quality, Hit Ratio, Software Testing

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