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### TITLE: ON APPLYING DESIGN PATTERN APPROACH TO REENGINEERING COBOL PROGRAMS

  
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#### Abstract:

The Design Patterns (DP) approach is one of the modern techniques in the area of Software Engineering. It has been introduced to facilitate and make more effective the process of design and implementation of software - especially within the object-oriented paradigm (OOP). As usual, a technique that has proven useful for design and development of software is applied, sooner or later in some other related activities as quality assurance, maintenance, etc. DP approach is actively used in reengineering of existing software systems, too. Unfortunately, when a system is written in an old-fashioned language like COBOL (in case of the so called legacy system), which is too far away from the OO paradigm, the use of DP is not the most appropriate solution. Business Rules (BR) approach is another technique introduced for the same reason, which is not so closely related to OOP and seems to be more convenient for reengineering of legacy systems, written in COBOL. The theory and practice of business logic extraction in form of BR and using them for improving the design of legacy system are still under development. This paper is an attempt to adapt some ideas from the BR approach in order to facilitate the process of business logic extraction from programs, written in COBOL.

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On Applying Design Pattern Approach to Reengineering COBOL Programs, last vector  
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