Abstract

Poor requirements are one of the principal reasons for collapse of software projects. Detecting the requirements errors at the final stage intensifies the efforts of developers that may delay system delivery and overrun cost. Therefore to reduce the development time and cost, it necessitates a systematic and structured Requirement Engineering (RE) approach to establish a comprehensive understanding of the requirements addressed by a software product. Agent-based technology for software development has been recognized as a promising and pioneering paradigm for next generation systems. It was observed that a number of RE approaches in literature, are the rich sources of techniques facilitating various phases of RE. This work presents a year-wise comparative analysis of these RE approaches that could provide systematic guidelines to developers for an effective application of RE to Multi-Agent System (MAS).

References

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A Comparative Analysis of RE Approaches for MAS


Index Terms

Computer Science
Information Sciences

Keywords

User Story Card (USC); Agent Card (AC); Multi-agent System (MAS) Validation