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A Framework for DEMO-based Project Management Software				عنوان البحث باللغة الانجليزية
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ملخص البحث باللغة الإنجليزية:

The current Project Management Software (PMS) focuses on task scheduling; however, the evolution and growth of PMS call for many other capabilities, such as capturing coordination acts. This capability is needed for the specification of authority and the responsibility for completing tasks and tracing the acts that actors perform while completing the tasks. Therefore, tracking these coordination acts is necessary to clarify the responsibility of every member of each project team. Moreover, there is a need to differentiate among the multiple types of coordination acts for accurate performance measuring. In this paper, we develop a PMS based on the enterprise ontology approach known as DEMO. The database for the proposed PMS, focusing on coordination acts, is presented and analyzed. Applying the complete transaction pattern of DEMO enabled us to present not only the basic coordination acts but also all the possible coordination acts, such as revoking any coordination act.