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DESIGN AND IMPLEMENTATION FOR SCRIPT
—LONG TERM PROCESSES

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Abstract There is a great need in many enterprises for a superior model to serve the long term processes of information systems containing database. This paper first introduces modified Petri nets with communication mechanism and time expression to model long term behavior of social systems. Then it elaborates how to express the structures of this concept by using semantic data models and briefly discusses some technical problems for the purpose of implementation.

Key words Long term process, entity, inheritance, communication, concurrency, decision making, synchronization.
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