In this paper we introduce inherent problems of information logistics in health care. Promising research results on agent-based systems have allowed us to conclude that this approach is especially suitable to coping with these problems. In order to adequately capture the requirements of a complex setting, we present an approach for the design of agent-based systems. The basis forms the ethnography-based requirements analysis approach Needs Driven Approach (NDA). The NDA supports the participating observation of work processes and guides the construction of domain models. As a result of a field study, a meta-model is constructed which reflects the interrelationships of its elements. According to basic ideas of the Model Driven Architecture (MDA), the elements of the meta-model are mapped to constructs of software engineering.
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