The Study on Agent Technology with Signature Ability for Service Discovery and Information Sharing Mechanism in Ad Hoc N

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ABSTRACT

This study designs observation and recording system by following the properties of Ad Hoc Network and the mobile learning concept. Besides, we use agent technology to management mobile devices ’ resources, and search services by using service discov-ery protocol. Therefore the students can share information during class, and the teachers can understand students ’ learning status by using record management system. We analysis and design Multi-Multi-Agent System by following Agent.Enterprise methodology. The projects involved in the systems contain observation and recording system and record management system. These two systems are agreement by using Gateway-Agent Concept Agent.Enterprise proposed and Facade Pattern. The concrete ontributions are as following: (1) Multi-Multi-Agent System can support information sharing and management in Ad Hoc Network for class in outside. (2)We propose the suggestions of Agent.Enterprise methodology. These suggestions are solution of the questions we encountered.We hope Agent.Enterprise methodology can more and more better.

Keywords : agent.enterpris,multi-multi-agent system,design patterns,mobile learning

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