Abstract

Multiagent Systems Engineering (MaSE) Methodology is one of old object-oriented methodology which supports the development process and is established based on the development of the object-oriented software engineering methods and their adjustment with the agent view. Some characteristics of the agent like autonomy, creativity and pre-activated are not paid attention. The agents are supposed as simple software processes which cooperate to obtain a certain goal. There are two basic phases in MaSE: analysis and design. The analysis phase concentrates on specializing the agent's roles, their duties and interactions. In design phase, matters such as diagrams and conversations class are introduced. The all steps in MaSE are implemented by graphic tools, agent Tool. This tool (agent Tool) covers all the steps of MaSE methodology design and analysis. In this article, we have covered the MaSE methodology based on a practical experience. The reason of choosing the chain store system is that it has the necessary characteristics like customer and seller autonomic agent technology and it is easier to identify and understand the analysis and design steps.
References

Index Terms

Computer Science
Software Engineering

Keywords
MaSE Methodology  Design  Software  Chain Store  Agent Tools