

Cyber Assistant: Interface for Children Online Education

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Project Summary

1. Multiple Character Agent Interface (Characters change according to the mental state of children)
2. Build Virtual Community: Interaction between multiple learners
3. Usage of ontology to capture the information of the learner and provide contents

Major Contributions

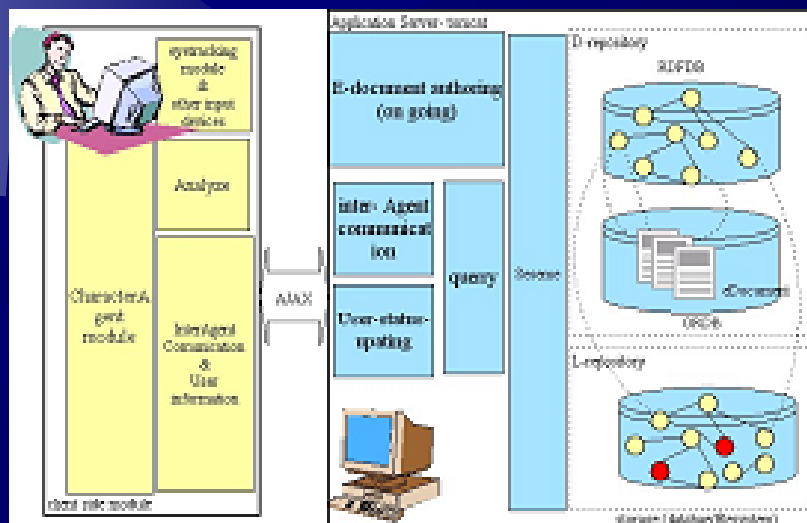


Contents Example

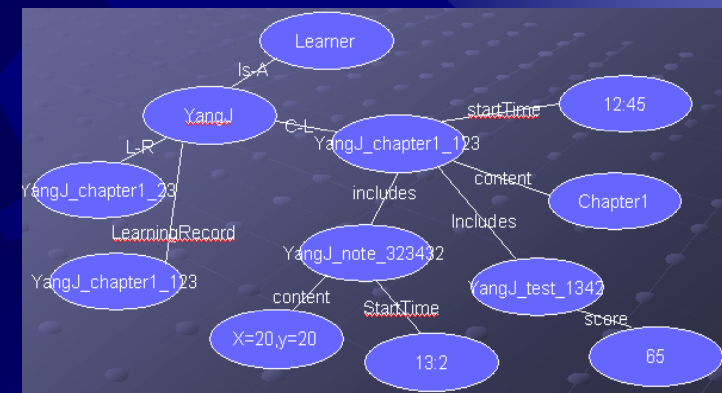
開発目標

- Our research questions aims on how to improve the interaction between system and learners, especially by using character agent as a mediator working for multiple learners

How to use agent for multiple learner communication
IN Multiple Learner Communication Interface , the system use each learner' character agent to exchange learners' interests, attention information. Each learner has a character agent to represent himself.. During the interaction among learners, agents detect learner's status and use multiple data channels to collect learner's information.



System Diagram



About the Knowledge Base

learners' information is stored in the form of ontology using RDF files. The study relationship between different learners can be traced using the knowledge base