Abstract

A natural language dialogue system is composed of many parts: natural language process, dialogue management, data query, etc. Adding a new service function to traditional complex dialogue systems, which is based on a mixed initiative paradigm, for example Question Answering (QA) service for E-commerce website, requires in general a big effort for redesigning dialogue management modules and other important modules. It can balance between overall dialogue management and particular agent service. Active people often do not have the time or ability to study in traditional, face-to-face classroom settings. In addition, learners may need access to content or expertise as they go about their daily activities. Mobile learning with cell
phones offers a unique response to this need. Mobile phones can support many kinds of learning, including items of glossary, language learning tips, examination preparation notes, short course summaries, answers to exercises, etc. We discuss the advantages brought by the new architecture, including more extensibility, more effective, platform insensitivity, wider adaptability etc., and describe in detail how to implement the system modules. A system for querying information and knowledge by the use of SMS in a mobile learning environment is considered. Our system is applicable for various kinds of organizations such as schools, colleges, companies, etc. The main concept behind this project is to design software that can retrieve requested data from our own knowledge base and send it to user.

References


Index Terms

Computer Science
Emerging Trends in Technology

Keywords
Sms  Natural Language Dialogue System  Natural Language Process  Dialogue Management  Query  Complex Dialogue Systems  Knowledge Base  Data