Agent-based cognitive support in the activities of the daily living

SHARE-it is a project that aims to provide assistance to elder people with disabilities through the use of new technologies to enhance the individual's autonomy. The expected outcome of the project is to build an Agent-Based mobile platform for complex, real world domains. This platform should be adaptive to the possible changes, both in the needs of the users or in the environment that can be highly variable.

We can summarize the services that this device would offer in 3 different categories: Monitoring services, mobility assistance and cognitive problems. This seminar is focused in the services offered to support the necessities related to cognitive problems.

The autonomously of a person is strictly related to the activities of daily living (ADL) that she is able to perform by herself. I've developed some services to aid users with cognitive disabilities to perform these ADLs. These services are mainly focused in providing reminders, activity completion assistance (through tutorials), an agenda… These services are partially based on an internal ADL tracking capability.