UbiHomeServer Front-end to the Ubiquitous Home Environment

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Ubiquitous Home Environment

Semantic Reality

Web

Home Platform

Digital Broadcast

IPTV and other entertainment

Body Area Networks

Resident Area Networks

Personal Area Networks

Wireless Networks

Ubiquitous Home Environment

Mobile Networks

Data – Information – Knowledge

Stakeholders

Data models
Interfaces
Authentication
Security
Privacy
Trust

Service Gateway

Wide Area Networks

Local Area Networks
UbiHomeServer (v.1.0)
User Terminal Devices

TV

Mobile

Touch-screen
GUI Fragment (v. 1.0)

Modalities:
- Textual
- Symbolic
- Colour
- Sound
- Voice
- Visual
End-Users Testing

- 23 users
- Aged 23 – 74 years
- Average age is 56.4
- Duration is 8 months, few repeated trials
- Computer proficiencies: from computer illiterate to advanced user.
Would you like to use the device?

- Yes: 48%
- Yes, but later: 38%
- Maybe: 5%
- I don't know: 9%
Would you be willing to pay for using the device?

- Yes: 43%
- Yes, but on some conditions: 38%
- Not yet: 9%
- No: 10%
Help

- Service
- Voice guidance
- Call for help
- Invite assistance
Use-Case: Safety Navigation

What is a corellation?

item

appointmentTime

offer

offerStartTime

service
Some have the same meaning!

item

offer

offerStartTime

appointmentTime

service

owl:sameAs

owl:sameAs

owl:sameAs

owl:sameAs
Thank you for your attention!

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