

Automated Content Sharing in Extended Home through Mobile Devices – A quality solution for group communication

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Abstract

Whereas group content sharing and communicating has matured from an interest to a need, there have been few secure and cost effective solutions to safely support content exchange among user groups. In this work we present our project proposal and ongoing work for a solution that automates content sharing among groups of users in an organised, secure and cost effective way using the current mobile phones, smart homes, Universal Plug and Play (UPnP) protocol and web technologies. Our metamodelling framework ideas are based on recent research related to the specific information and communication needs of particular user groups, and on content sharing and management through middleware utilisation.