

OmniShare

by Team HackJob
Samsung – DLNA Enabled App

COS 301
Demo Session 4

Group Members:

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Project Overview:

Purpose:

Consolidation of content generated and used during a Business Session or Social Event.

Distribution / Display of said multimedia content using Samsung DLNA enabled devices and the Samsung AllShare API.

This platform could later be specialized into various different uses, example BYOD to University for lectures, people going to a house-party and need to share playlists/other media files and consolidate the content generated.

Progress since last demo:

1. UDP Beacon implemented for nearly instant host-discovery on local networks. (COS 332 yay!)
2. Server-side methods added for access-control, setting of access-code, setting session status, checking of duplicate files.
3. Implemented Samsung AllShare ImageViewer to display files currently shown on Host-device to local ImageViewer-type device. (i.e. Samsung SmartTV)

Objectives: Final Stretch

1. Get inter-device communication via Samsung CHORD working. (For notifications etc..) (In Progress)
2. Get multimedia display via Samsung AllShare working. (Nearly finished)
3. Comment Code / Update documentation.
4. Improve/finish required GUI's.
5. Implement guest-user identification and authentication.
6. Bug test and general compatibility testing with different file formats etc.. Subject to what file types the AllShare framework supports.
7. Storing of session information in a OODB for later reuse. Example, to update guests who missed the meeting with the appropriate information.