OSP seminar project

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Chosen open-source project

- VLC media player (http://www.videolan.org)
- Simple, fast, multiplatform and versatile multimedia player
- Supports most of current codecs
- Started as student project in 1996
- Originally there were two standalone applications (VideoLAN Server and VideoLAN Client)
- Now, there is single application with capabilities of both original applications
- Current stable version is 2.0.5

Seminar project goals

- Program one or both of following improvements
  - Improvement of current Windows Media Centre remote controllers support
    - There are four types of WMC remote controllers
    - Only one type is currently supported in VLC
    - Number of supported remote controller buttons is currently limited
  - Add MP3 chapters support
    - Similarly like DVD, MP3 files can be divided into chapters
    - Chapters in MP3 files are currently ignored

Improvement of WMC remote support

- VLC currently only supports official type of WMC remote, which IR receiver sends WM_APPCOMMAND message into Windows message queue

- Other types of remotes are equipped with IR receivers, that emulates key press or keystroke

- VLC currently supports only playback control buttons on WMC remote

- Support of other types of WMC remotes or additional buttons on WMC remote can be added

Adding MP3 chapters support

- If MP3 file contains ID3v2 tags, it's possible to add information about division of this file into chapters to these tags

- Reading these information can be added into part of code, that reads ID3 tags in MP3 file

- Loaded chapters can be added into chapter list in VLC menu

- Skip to next and Skip to previous buttons can be used to navigate between chapters

Summary

- Chosen project is VLC media player

- Seminar project goal is to program one of following improvements

  - Improvement of WMC remote controller support

  - Adding MP3 chapters support

Sources

- VideoLAN webpages (http://www.videolan.org)