

With the increase of the multimedia files, stored on the personal computer there is a need to control all programs, which play those files. When connecting the PC to TV and Home Cinema it is not comfortable to use the mouse and the keyboard to control the multimedia files. The main goal of the diploma is to create client-server application, which will control multimedia files.

The client part is installed on Pocket PC, supports graphical interface and send commands to control multimedia programs like : Winamp, Foobar 2000, BSPlayer, Windows Media Player, PowerDVD, ProgDVB and more. Users can choose from lists with multimedia files (music, movies, pictures and others). The lists can be filtered with the file names.

The application communicates with the server trough TCP/IP protocol. The abilities of the Pocket PCs to create Wi-Fi network are used. With this network it is possible to create an intelligent home. The main role of the computer is to provide multimedia services. Grace to the wireless network the control of multimedia files does not depend on the location of the user.

The application has the following hardware requirements:

Server:

- OS : Windows XP, Windows 2000, Windows Vista
- CPU : 1 GHz
- Hard disk : 2 Mb

Client:

- OS : Pocket PC 2002, Windows Mobile 2003, Windows Mobile 2005
- Additional components : .NET Framework
- CPU : 200 MHz or faster
- Screen : 320 x 240 pixels
- Wi-Fi module
- Free memory : 5 Mb

Internet web page is developed (www.sidesk.org) for the purpose of the testing phase. The users can download the latest version of the program and post their comments in the forum. The program is downloaded from more than 2000 users.

After few weeks of testing the following conclusions for the next version of the program are made:

- It is necessary to create a database, which will accelerate the work with enormous list of files (over 10 000)
- It will be very useful if the program read the mp3 tags and add them into the file lists. It must be allowed for the users to sort the list by artist, album, song, etc.
- The possibility to localize the software must be developed.
- To improve the auto recognition of the server
- To add buttons with non typical forms (trapezium, oval, triangle, etc.)
- To think about the automatic update of the program (on program start)