
Subject: Re: More new functions

Posted by [koldo](#) on Sat, 25 Oct 2008 23:19:52 GMT

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Hello all

Thank you for the feedback. First I inclose you a screengrab of a program I am doing that uses these functions. It is very preliminary but it runs:

With this program I drag-drop movie clips in a main track that I convert in DVD format mpg files:

- With `LaunchCommand(const char *cmd, String &ret)`; I get the video images you see in the center-left side column using mplayer
- With `LaunchCommand(const char *cmd, void (*readCallBack)(String &))`; I get the final .mpg DVD compatible file using mencoder. All the mencoder output goes to a function that sends it to a window (in the screengrab). If the window is closed, it kills the process before.

Coming to the comments:

- You are right: I have to change `LaunchCommand` in case of non GUI program to not call `Ctrl::ProcessEvents()`;
- `Ctrl::ProcessEvents()`; lets the main GUI program to follow doing other things and being responsive to user without stoping the process. The command runs in another thread and the main GUI program only gets its output.

It is not perfect multithread, but it works well.

- In `LaunchCommand`, for example, to join to files, I would do `LaunchCommand("mencoder a.avi b.av0 -oac copy -ovc copy - ab.avi", myfun)`;

a basic `myfun` would be like:

```
void myfun(String &s)
{
    MySendStrToCommandWindow(s);
    MyParseStrToMoveProgressBar(s);
}
```

About the functions, I have prepared more but before finishing them I would like to ask you if putting them in different functions or declaring them into classes like:

```
class SysFolders      // Special folders
String GetDesktop();
String GetPrograms();
String GetAppData();
String GetMusic();
String GetPictures();
String GetVideo();
String GetPersonal();
String GetTemplates();
String GetDownload();

String GetRoot(); // New
```

```
String GetTemp(); // New  
Possible new functions to change folders
```

```
class SysOS // OS info. Samples after //  
String GetName(); // Windows Linux  
String GetCode(); // 6.0 2.6.8-1.523  
String GetVersion(); // Vista Ubuntu  
String GetRelease(); // Home Premium Edition 8.04  
String GetSize(); // 64-bit 32-bit
```

```
class SysCPU //CPU info  
String GetIdentifier();  
String GetLevel();  
String GetRevision();  
String GetArchitecture;  
String GetSpeed();  
String GetNumber();  
Possible new functions to get more details
```

```
class SysProcesses //Current processes info.  
bool Update(); // Gets processes info  
bool GetFirst(int processId, String pName);  
bool GetNext(int processId, String pName);  
Possible new functions to kill processes or change priority
```

I have seen in Upp that it tends to not create new classes with grouped static functions inside, but doing alone functions. What do you prefer ?

Best regards
Koldo

File Attachments

1) [Screengrab.jpg](#), downloaded 1878 times
