

SoundSync Technical Documentation

Version 0.85

Classes

Framework Classes (Those that define the “meat” of the program)

AudioControl - Allows for easy opening and playback of an mp3 file. Seeking is not very accurate when the mp3 has a variable bit-rate.

ProcessControl – Starts a child process, and allows Windows WM_COMMAND message to easily be sent to it.

MusicTrack – Inherits AudioControl. It is a more specific use of AudioControl, the main difference being that it has a color.

EventProcess – Inherits ProcessControl. It acts as a more specific use of ProcessControl. The main differences are having a name, and being part of a linked list of EventProcesses.

EventCommand – Defines an event that can be sent to an EventProcess

EventTrigger – A particular instance of an EventCommand. It has a position that (when used properly) will fire the associated event at the correct time.

MFC Classes (Those that define the Views, Document and Frame Window)

CSoundSyncApp – Defines the main application.

CMainFrame – Defines the main frame window.

CSoundSyncDoc – Defines the SDI document for the currently opened file. Has information and functions dealing with EventProcesses, EventCommands and EventTriggers.

CSoundSyncView – Defines main view where all the trigger interaction occurs. Also handles messages dealing with modifying triggers and playback.

CSoundSyncTreeView – Defines main view with the listing of all the EventProcesses and EventCommands. Handles messages dealing with adding and modifying processes and commands.

CAboutDlg – Defines the about dialog.

CProcessDlg – Defines the new process dialog.

CProcessEditDlg – Defines the edit process dialog.

CCommandDlg – Defines the new and edit command dialog.

CMyToolBar – Defines the toolbar.

A Few Notes...

- When compiling make sure to setup a link to winmm.lib in the product settings.
- The program it may crash on startup if the file “default.mp3” is not found in the same directory as the exe file. This is more common with the debug version.