

Brian Cullinan

Project 0: Swing-o-rama

01-29-09

Media Server

Portal - Music

Back Forward Up Refresh Search Folders

Address /Shared/Music/

Shared

- Movies
- Music
 - 10,000 Maniacs
 - 100% Classic Rock
 - 12 Stones
 - 21
 - 213
 - 28 Days Later
 - 3 Doors Down
 - 300
 - 38 Special
 - 38th Parallel
 - 50 Cent
 - 98 Degrees
 - A Rocket To The Moon
 - A Static Lullaby
 - A.R. Rahman
 - AC-DC
 - Accept
 - Ace of Base
 - Ace Trouble...
 - Adam Faith
 - Adam Sandler
 - Adema
 - Aerosmith
 - AFI
 - Afrika Bambaataa
 - Agalloch
 - Agnes
 - Al Hirt
 - Al Jarreau
 - Alain Souchon
 - Alan Parsons Project

id	Filename	Filemime	Filesize	Fileddate	Filetype	Filepath
294462	htaccess		11	2008-12-12 ...	HTACCESS	/Shared/Mus...
259655	10,000 Mani...		0	2008-12-12 ...	FOLDER	/Shared/Mus...
259657	100% Class...		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286350	12 Stones		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286353	21		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286355	213		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286357	28 Days Later		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286359	3 Doors Down		0	2009-01-21 ...	FOLDER	/Shared/Mus...
286363	300		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286365	38 Special		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286367	38th Parallel		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286369	50 Cent		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286371	98 Degrees		0	2008-12-12 ...	FOLDER	/Shared/Mus...
300730	A Rocket To ...		0	2009-01-21 ...	FOLDER	/Shared/Mus...
297098	A Static Lulla...		0	2009-01-14 ...	FOLDER	/Shared/Mus...
311585	A.R. Rahman		0	2009-01-22 ...	FOLDER	/Shared/Mus...
286374	AC-DC		0	2008-12-12 ...	FOLDER	/Shared/Mus...
294458	Accept		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286399	Ace of Base		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286387	Ace Trouble...		0	2008-12-12 ...	FOLDER	/Shared/Mus...
300966	Adam Faith		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286392	Adam Sandler		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286394	Adema		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286396	Aerosmith		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286382	AFI		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286422	Afrika Bamb...		0	2008-12-12 ...	FOLDER	/Shared/Mus...
296640	Agalloch		0	2008-12-12 ...	FOLDER	/Shared/Mus...
300733	Agnes		0	2008-12-12 ...	FOLDER	/Shared/Mus...
308855	Al Hirt		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286424	Al Jarreau		0	2008-12-12 ...	FOLDER	/Shared/Mus...
296642	Alain Souchon		0	2009-01-14 ...	FOLDER	/Shared/MUS...
286426	Alan Parson...		0	2009-01-21 ...	FOLDER	/Shared/Mus...
300736	Albert Ham...		0	2009-01-21 ...	FOLDER	/Shared/Mus...
311587	Alexandre D...		0	2009-01-22 ...	FOLDER	/Shared/Mus...
310444	Ali G		0	2009-01-22 ...	FOLDER	/Shared/Mus...
286428	Alice Cooper		0	2009-01-21 ...	FOLDER	/Shared/Mus...
286433	Alice In Chal...		0	2009-01-21 ...	FOLDER	/Shared/Mus...
286435	Alien Ant Farm		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286444	Alkaline Trio...		0	2008-12-12 ...	FOLDER	/Shared/Mus...
286437	Alkaline Trio		0	2009-01-14 ...	FOLDER	/Shared/Mus...
286446	All Saints		0	2008-12-12 ...	FOLDER	/Shared/Mus...

0%

Start Portal - Music Portal - Shared

Portal - Shared

Back Forward Up Refresh Search Folders

Address /Shared/

Download Selected

id	Filena...	Filemi...	Filesize	Fileddate	Filetype	Filepath
283766	Movies		0	2009-...	FOLD...	/Share...
259654	Music		0	2009-...	FOLD...	/Share...
294996	Pictures		0	2009-...	FOLD...	/Share...
259658	Videos		0	2009-...	FOLD...	/Share...

0%

Problem Statement:

Use lots of java components to create something useful; in this case a client side interface to my media server using AJAX.

Completion Level:

Level 1: Base Basics	100% Complete	My Program starts by launching a JDesktopPane in which is creates many windows. Just like a desktop environment there is a taskbar, and a start-menu. More windows can be launched from the start-menu.
Level 2: Some of the cool stuff	100% Complete	JTrees, JPopupMenu, and JTables can be found throughout the application. Right clicking on a task bar item allows the user to close windows, just like in a desktop environment. There is a JTree to display a folder struction, and a JTable to display files in a "Details" like mode.
Level 3: Fancy Extras	100% Complete	Content is dynamically loaded from my media server and displayed. SAX processing is used to add and remove components and display information. Files can be downloaded by using the "Download Selected" button, progress is shown using a JProgressBar. JToolbars are used to contain window functionality and navigation.
Custom "Look and Feel"	...	Attempted without success, very disappointing.

Implementation Overview:

I started this project by examining some of the available classes in the WYSIWYG editor of NetBeans. It was immediately apparent the amount of junk code that it produces. The main window contains a JDesktopPane that JInternalFrames can be used inside of. I create some frames for the taskbar and start menu, and the only current "Module" is the Portal window. This window allows browsing of files from my remote media server. The Portal window has many features. You can double click folder items to open them; you can use the search function by click search. And there is a folder view for viewing the entire folder tree on the left of the window.

The portal window has various other functions for browsing through the files. For example, a stack is maintained for the Back and Forward button, so you can use that to navigate through the history of folders you have visited. There are various SAX calls on the backend to interface with the server.

Main - This class just initializes the application.

Desktop - this is the main display controller, all frames are registered with this class and it controls a few of the window events.

Taskbar - this controls the task buttons in the taskbar, and it also contains the start button for opening the start menu.

Startmenu - this is where modules will register themselves in order for buttons to be placed in the list. It also provides some nice quick links for accessing key shared files on the server.

Portal - This is the main functionality of the application, it allows users to browse through files on the server. It provides multiple ways of browsing through the tree view, and displays the most information.