Concept Document

MEDIA CENTRE

Version	Date	Author	Notes
01.01	08/27/2021	Codie Shannon	Proposal

Introduction

Media Centre is a software utility based around the idea of managing and accessing any media files on a windows 10 computer system. The software utility will have media libraries for Music, Movies, TV Shows, Videos, Video Games, Game Emulators and Pictures.

The software utility will feature an option for users to disable individual media libraries. The intended purpose of this feature is to allow users to only show libraries in use. Within media libraries users will be able to create custom categories to organize media.

The software utility will feature an option for users to scan a Windows 10 computer system for any media files and import them.

Media Centre will be able to search databases like IMDb for information pertaining to imported Movies, TV Shows, Music and Video Games such as the cover images, ratings, stars, and genres etc and display the information back to the user.

Users will be able to launch video games directly from the software utility without launchers such as the Rockstar Games Launcher, Epic Games Launcher or Electronics Arts Launcher.

The user interface will contain an option to enable for users to view advanced information such as sample rate, audio channels, frame rate mode etc.

In addition to these features, media centre will also feature a series of walk-throughs to accomplish the aforementioned tasks.

Main Features

- Manage and Access any Media on a Computer

- Disable individual media libraries to only show the libraries the user wants to use

- Scan the Computer System for any media files and import them

- The application will find information about media files such as movies, tv shows, music and video games using databases like IMDb and display it back to the user

- Launch video games without launchers such as the Rockstar Games launcher, Epic Games launcher or Electronics Arts Play launcher etc

- The application will allow users to create custom categories to organize media

- The user interface will feature an option to enable for advanced information such as sample rate, audio channels, frame rate mode etc

- The application will feature a series of walk-throughs to accomplish tasks.

Selling Points

The unique selling points of Media Centre are:

- **Built-in Game Launcher**

  The Media Centre built-in game launcher allows users to launch video games directly from the software utility without having to worry about launchers such as the Epic Games Launcher, Electronics Arts Launcher or Rockstar Games Launcher appearing in the background.

- **Application's Variety of Management**

  Media Centre has an extensive variety of management available to users in terms of application management and media file management. These management features include the ability to create custom categories to organize media files, and the ability to disable unused media libraries. Alongside these, the users can scan for any media files located on a computer system and import them.

- **Application's Attention to Media File Details**

  Media Centre offers many standard details pertaining to media files such as resolution, file type, duration, creation time and last used date. Alongside these standard details, Media Centre offers an option to enable for advanced details such as the sample rate, audio channels and frame rate mode.

  Media Centre also searches databases like IMDb for information pertaining to imported Movies, TV Shows, Music and Video Games such as cover images, ratings, stars, and genres and displays the information back to the user.

- **Application's Uniqueness**

  There is currently no direct competitor for my application.

Competition

I believe there is a market for Media Centre as there is currently no direct competitors. However, applications do exist that cover the management of specific media libraries such as games, movies, or music. These applications include but are not limited to Launchbox, MovieDB and iTunes. Media Centre differs from these applications by providing an all-in-one system to manage media files.

Target Group

The target group for Media Centre has been pinpointed as the media fanatic community. The media fanatic community is made up of six sub-communities. The sub-communities that can be found within the media fanatic community are the Movie, TV Show, Video, Picture, Gaming and Music fanatic communities.
The base expectations for the media centre target group are an application that will have the ability to play, view and manage media files to a standard extent.

The base expectations for the media centre's target group are an application that will have the ability to play, view, delete, edit, and rename media files. Alongside these features, users also expect to have their media split into individual libraries such as Music, Movies, TV Shows, Videos, Video Games, Game Emulators and Pictures.

The Application

So what is the application all about?

The main function of Media Centre is an all-in-one system to organize media files.

The media centre all-in-one organization system for media files provides a few unique features. The unique features the all-in-one organization system provides are a built-in games launcher, custom categories, and the ability to disable unused media libraries.

How do we make money?

Media Centre has a very simplistic business model. Media Centre offers users two different versions of the application. These different versions include a free and paid version.

The free version of the application provides basic features such as the ability to play, view, delete, edit, and rename media files. Alongside these features, the free version also provides users with a basic organization system to split media files into individual media libraries such as Music, Movies, TV Shows, Videos, Video Games, Game Emulators and Pictures.

However, the paid version of the application offers these basic features plus the addition of a built-in game launcher, walk-throughs, custom categories, a scan and import feature, a media file information section, and the ability to disable unused libraries.

Genre

The style and attitude of the Media Centre application will be modern and smooth. Media Centre hopes to establish a fast-paced and seamless experience for its users.

A sleek and swift user interface will define the application, with options for users to modify the user interface to their will.

Key Features

The key features of Media Centre are:

- A fast-paced and seamless media management experience.

- An all-in-one system to manage media files.

- A Built-in Game Launcher.

- The accessibility of the application.

- Quality Updates.

Media Libraries

Media Libraries are used to divide different types of media into different pages. The categorisation of this media are Music, Movies, TV Shows, Videos, Video Games, Game Emulators and Pictures. Media Centre hopes to use this feature to make finding media more simplistic for users. Individual Media Libraries can be disabled via the settings page.

Custom Categories

Custom Categories can be created by users to organize media into groups. These groups can then be accessed by selecting the specified group from a dropdown menu. Media Centre has created this feature to give more freedom to users to organize media and improve overall application usage.

File Manager

The File Manager contains various utilisations. The utilisations that can be found within the file manager are the abilities to scan, import, rename, view, and delete media files. Most of these utilisations can be accessed via the Toolbar. However, the view utilisation is only accessed by clicking media items within the specified media libraries. Media Centre created these utilisations to help users manage media files.

Walk-throughs

The media centre Walk-throughs are designed to help users accomplish tasks when using the application. These Walk-throughs take users from the beginning of a task such as creating a custom category, to the end of the specified task such as adding a media file to the custom category. The media centre Walk-throughs will be easily accessible via the toolbar. Media centre hopes to use this feature to cutdown on user inquiries regarding features within the application.

Built-in Game Launcher

The media centre Built-in Game Launcher gives the application the ability to launch video games without the specified video game launcher appearing in the background. Media Centre created this feature as the team believes it will relieve stress while using the application.

Video Player

The Video Player functions as a player for the video files located within the Movies, TV Shows and Videos libraries. The Video Player is located within a separate page and can be used by double clicking on a video file in any aforementioned library.

Audio Player

The media centre Music Player is used to play music located within the music library. The Music Player can be accessed by left clicking on any song located within the music library. Afterwards, the Music Player should emerge on the left side of the page playing the selected song.

Picture Viewer

The Picture Viewer functions as a viewer for pictures located within the Pictures library. The Picture Viewer is located on a separate page. This page can be accessed by left clicking twice on any picture located within the Picture library.

Media File Details

Media Centre covers two variations of media file details. Media Centre classes these media file details as local and public.

Local media file details are those collected from the media file itself such as resolution, file type, duration, creation time and last used date.

Public media file details are those gathered from databases such as IMDb such as the cover images, ratings, stars, and genres etc.

These details can be viewed by left clicking once on any media files in the Movies, TV Shows, Videos, Video Game, and Pictures libraries. Once a media file is selected in an aforementioned library, a pane should appear on the right with the details displayed within it.

The music library differs from this however. Once a song is selected in the music library, a pane will appear on the right with the music player placed at the top and a scrollable view placed at the bottom with the details displayed within it.

App Compliance

The Media Centre application currently requires no compliance. However, this may change in the future when new features are added.

App Access

Once Media Centre releases users will be able to use it twenty-four hours a day, seven days a week.

Opportunities

Future opportunities for media centre are quite limited. However, these are some of the ideas that come to mind for the media centre team when they think of expansion and opportunities.

- Turn media centre into a cross-platform application.

- Create a setting to change application's colour theme.

- Turn media centre into a global streaming application with the use of a client-server media player.

Risk

The initial risk is the application's development time. The media centre development team is comprised of one individual. This individual is expected to design and program the application. The size of the team greatly impacts the development time for the application as you may imagine.

There is also a great amount of footwork to do in terms of research and development in both the technical and creative areas of the application.

The vital initiative for the individual is to not sacrifice quality for time deducted from the workload. This may be hard for the individual as they have no-one to keep them on the straight and narrow.

The main risk to the application's development is underestimating workloads and inexperience. The individual that is working on the application is fairly new to programming and may underestimate their workload. Along with this, the individual may also need to learn new skills. The new skills may be too much for the individual to handle and as such the application may never be developed.

The potential losses upon release of the application are time lost and costs of development equipment such as computers and software.

Calculating the cost at current rates, the loss financially would be around the area of $50,000 to $75,000.

Media Centre Limited

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References

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