User Requirements

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User Profiles

Personas: Media Wizards

Current Member Brad

Brad is a game engineer who works for Rockstar North in Edinburgh, Scotland. He is 30 years old, married with no children and has a large disposable income. Brad owns a pc that him and his wife primarily use as an entertainment system for gaming, watching tv shows and movies. Alongside this, Brad's wife is an avid picture and video collector.

Brad and his wife enjoy collecting DVD and Blu-Rays from time to time and ripping them on to their entertainment system to binge watch in their free time. Alongside this, Brad downloads any new triple A gaming titles to play with his pals on the weekend and his wife collects any family pictures or videos she can get her hands on. This used to be unmanageable. However, since Brad discovered Media Centre, it has become easier to manage new Media added to their collection.

The features that Brad and his wife utilize within media centre to manage their collection are Custom Categories, the File Manager, and the Information Pane.

Brad utilizes the media centre Custom Categories by organizing his media into groups such as played, watched, or pending. Brad enjoys using the Custom Categories as it allows him to keep track of his media by grouping them together.

Brad and his wife use the media centre File Manager to scan, import, manage and access any media files located on their entertainment system. The File Manager comes in handy for Brad and his wife when they want to add a mass quantity of files. Alongside this, Brad and his wife also use the File Manager to play, view, delete, edit, and rename media files.

The media centre Information Pane becomes useful for Brad and his wife when they want to view information about their media files such as resolution, file type, duration, creation time, last used date

sample rate, audio channels and frame rate. Brad and his wife love the Information Pane as it allows them to save time while using the application. The Information Pane saves time by allowing users to find media file details without the use of outside resources such as another application like file explorer.

Brad and his wife require the following from Media Centre

- Media Libraries for Movies, TV Shows, Pictures, Videos, and Video Games

- An information pane which displays information such as resolution, file type, duration, creation time, last used date sample rate, audio channels and frame rate

- An organization system to organize their media into custom categories

- The ability to scan, import, play, view, delete, edit, and rename any media files on the entertainment system.

Primary Persona

Brad is a primary persona as he is a paying member of the application. He will be required to buy the application to use one or more of the specified features.

New Member Ashley

Ashley is currently attending a private tertiary institution called Media Design School in Auckland, New Zealand. She is 23 years old with no partner or children. Ashley enjoys her free time by playing old video games from the ps2 on her gaming pc while binge watching movies and tv shows or listening to some music.

Ashley began to download movies, tv shows, video games and music while she was attending high school and over the years, she has begun to build up quite a collection of media which she is now beginning to use Media Centre to organize.

Ashley is finding the application quite easy to use. Ashley's favourite features so far are Walk-throughs, the Information Pane, the Built-in Game Launcher, and the ability to disable unused libraries.

Ashley enjoys using the media centre Walk-throughs as they go in to detailed explanations of how to use features within the application. These detailed explanations help Ashley understand the full capabilities of the features in question.

Ashley finds the Information Pane useful as the pane gives her information about media files such as resolution, file type, duration, creation time and last used date. Alongside these standard media file details, the application also gives her information from databases like IMDb within the pane such as cover images, ratings, stars, and genres.

Ashley loves how the application launches video games without the specified video game launchers appearing in the background. Ashley also has a fondness towards the feature which allows her to disable unused libraries.

Ashley requires the following from Media Centre

- Media Libraries for Movies, TV Shows, Video Games, Game Emulators and Music

- Walk-throughs

- The ability to view standard information about her media files such as resolution, file type, duration, creation time and last used date.

- The ability to view information pertaining to her media files from databases like IMDb such as cover images, ratings, stars, and genres.

- The option to disable individual media libraries to only show the libraries she wants to use

- Launch video games without the launcher for the specified video game opening in the background

Primary Persona

Ashley is a primary persona as she is a paying member of the application. She will be required to buy the application to use one or more of the specified features.

Personas: The Staff

Media Centre Employee Carl

Carl is a male employee of Media Centre, he is 30 years old, with a wife and no kids. Carl loves spending his free time working out, listening to music, and programming. This makes Carl a perfect fit for his job at Media Centre as he updates the applications source code to add new features while helping users with problems and acts as a general administrator. Carl has a general interest in seeing Media Centre succeed as he owns a 15% stake in the company.

Carl needs the following for the Media Centre application:

- Access to the source code

- Access to development tools

- All privileges to Media Centres Microsoft Store Page

Complementary Persona

Carl is a complementary persona because as a general administrator he interacts with the Media Centre environment in a different way to the standard users (Media Wizards).

Scenarios of Use

Scenario 1

Scanning and Importing Media Files, Adding Media Files to Custom Categories and Launching Video Games via the Built-in Games Launcher

Brad is a young game engineer working for Rockstar North in Edinburgh, Scotland. Brad is currently married with no children and has a large disposable income.

Brad and his wife currently use an application called media centre to organize their vast media library on their entertainment system. The media library consists of Movies, TV Shows, Pictures, Videos, and Video Games.

Brad has recently bought numerous video games from the steam summer sale and wishes to add these video games to media centre. Alongside this, Brad wants to organize these video games into custom categories. Brad also wishes to access a selected video game via its custom category and launch the video game using the built-in games launcher. Brad will be required to complete a few steps to achieve these tasks.

The steps that Brad will have to complete to scan and import these games are as follows:

- Navigate to the application

- Left click once on the "Scan and Import" button located within the toolbar in the "File Manager" section

- Wait for the open file dialog box to appear

- Navigate to the games folder location via the open file dialog box

- Left click once on the "Open" button

- Wait for the selection page to appear

- Deselect any games that he may want to leave out within the selection page

- Left click once on the "Import" button located within the selection page

The steps that Brad will have to complete to create a custom category and add a media item to it are as follows:

- Navigate to the application

- Left click once on the "Add to Category" dropdown menu located within the toolbar in the "Categories" section

- Left click once on the "Create Custom Category" dropdown menu item

- Wait for the "Custom Category Creator" page to appear

- Enter a new category name into the TextBox located within the custom category creator page

- Left click once on the "Create" button located within the custom category creator page

- Navigate to the "Games" library

- Select the media item he wishes to add to the custom category by left clicking on it once

- Left click once on the "Add to Category" dropdown menu

- Left click once on the newly created custom category dropdown menu item

The steps that Brad will have to complete to access games stored within a set custom category are as follows:

- Navigate to the application

- Navigate to the "Games" library

- Left click once on the "Show Category" dropdown menu located within the toolbar in the "Categories" section

- Left click once on the appropriate dropdown menu item to select it

The steps that Brad will have to complete to play a game via the built-in games launcher are as follows:

- Navigate to the application

- Navigate to the "Games" library

- Double click on any game item in the library

- Wait for the video game window to appear

- Play the video game

Scenario 2
Using the Information Pane and Playing / Viewing Media While Being Guided by Walk-Throughs

Ashley is a young female currently attending a private tertiary institution called Media Design School in Auckland, New Zealand. Ashley currently has no partner or children. Ashley enjoys her free time by playing old video games from the ps2 on her gaming pc while binge watching movies and tv shows or listening to some music.

Ashley began to download movies, tv shows, video games and music while she was quite young and over the years, she has begun to build up quite a collection of media which she is now beginning to use Media Centre to organize.

Ashley wishes to view information pertaining to her media files as she wants to watch a movie. However, Ashley has forgotten how to accomplish this task. Ashley will need to use the application's built-in Walk-through for viewing media file information to accomplish this task.

The steps that Ashley will have to complete to activate the Walk-throughs are as follows:

- Navigate to the application

- Navigate to the "Movies" library

- Left click once on the "Walk-throughs" dropdown menu located within the toolbar in the "Other" section

- Left click once on the "Information Pane" dropdown menu item

The steps that Ashley will have to complete to view information about her media files once the Walk-through is activated are as follows:

- Wait for the message box to appear highlighting the first movie item

- The message box should appear containing a message saying, "Please left once on a movie item."

- Left click once on the "OK" button within the message box

- Left click once on any movie item

- Wait for the next message box to appear

- The message box should appear on the right side of the application pointing to the information pane

- The message box should contain a message saying, "This is the information pane, it contains information pertaining to your selected media file such as resolution, file type, duration, creation time and last used date. Alongside this, it also contains information gathered from databases like IMDb such as cover images, ratings, stars, and genres."

Ashley has located the movie she wants to watch and now wishes to play it. The steps that Ashley will need to complete to play the movie are as follows:

- Left click twice on the movie item

- Wait for the video player page to replace the media library page

- Wait for the movie to start playing

Scenario 3
Repairing File Manager Functionality

Carl is a mid-age male employee of media centre, he currently has a wife and no kids. Carl loves spending his free time working out, listening to music, and programming.

These hobbies make Carl a perfect fit for his job at Media Centre as he updates the applications source code to add new features while maintaining old features.

Carl has recently received reports from users of broken functions within the media centre application. The functions that Carl has received reports about are the rename and delete functions of the file manager class.

Carl will need to perform the following steps to try and find the faults within the rename function:
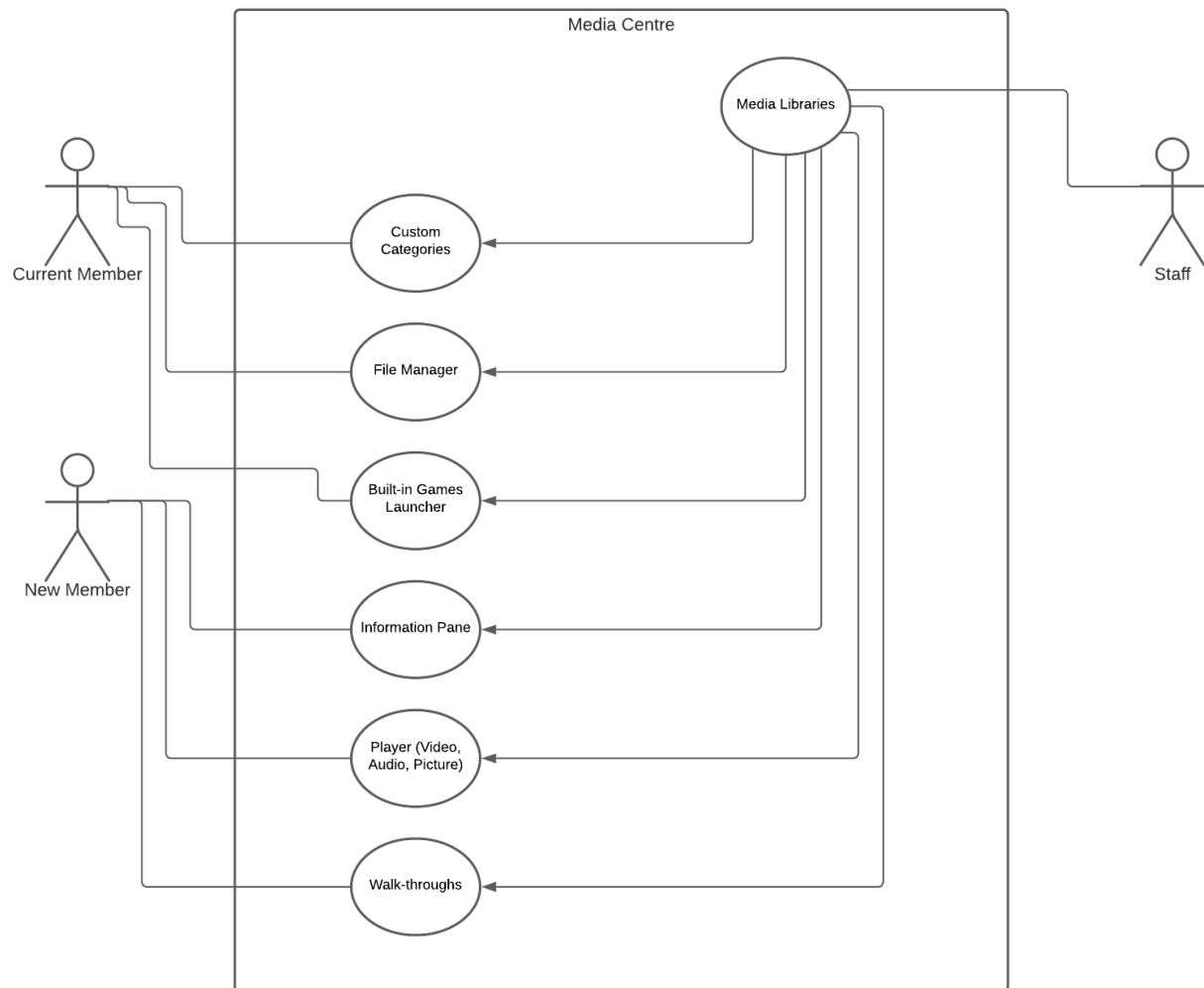
- Navigate to the application

- Navigate to a media library with at least one media item

- Left click once on any media item

- Left click once on the "Rename" button within the toolbar in the "File Manager" section

- Wait for the "Rename" page to appear

- Enter a new name for the media item in the TextBox within the "Rename" page

- Left click once on the "Confirm" button within the "Rename" page

Carl will need to perform the following steps to try and find the faults within the delete function:

- Navigate to the application

- Navigate to a media library with at least one media item

- Left click once on any media item (this media item will be deleted)

- Left click once on the "Delete" button within the toolbar in the "File Manager" section

- Wait for the "Delete" page to appear
- Read the confirm message "This media item will be deleted from the media library, are you sure you wish to proceed?"

- Left click once on the "Delete" button within the "Delete" page

Presuming that Carl can accomplish the tasks listed above without any issues, the functions operate as expected and require no further action. However, these expected results signify that the problem is caused by user computer systems and may require more attention.

Use Case Diagram

The use case diagram above displays the interaction noted within the scenarios of use. The use case diagram is quite simplistic in nature and only displays the base functionality found within the media centre application.