Test Plan

CS 408

ID	Title	Туре	Instructions	Expected Result	Severity
		Functionality	On Mac 1. Navigate to the Server folder 2. Run start_mac_server.command 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be able to view server at http://localhost:8080/ 	Critical
		Functionality	On Windows 1. Navigate to the Server folder 2. Run start_server.bat 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be able to view server at http://localhost:8080/ 	Critical
1	create a server	Functionality	On Linux 1. Navigate to the Server folder 2. Run ./RUN_SERVER_LINUX.sh (in Official Release (Buggy)/linux) 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be able to view server at http://localhost:8080/ 	Critical
		Boundary	On any 1. Run the programs in terminal with spaces in front	 Terminal prompt should say "Password set." Client should be able to view server at http://localhost:8080/ 	Workaround
		Boundary	On any 1. Run the programs in terminal with any text following the program and a space	 Terminal prompt should say "Password set." Client should be able to view server at http://localhost:8080/ 	Workaround
		Equivalence	Navigate to server folder in terminal Run './server.js'	Server should not start	Workaround
		Equivalence	Navigate to server folder in terminal Run 'java server.js'	Server should not start	Workaround
	open a desktop client	Functionality	On Windows 1. Navigate to the Desktop Client folder 2. Run client.exe	Client should pop up	Critical
		Functionality	On Mac 1. Navigate to the Desktop Client folder 2. Run client.exe	Client should pop up	Critical
2		Functionality	On Linux 1. Navigate to "Official Release (Buggy)/linux" 2. Run ./client	Client should pop up	Critical
		Equivalence	On Mac 1. Navigate to "Official Release (Buggy)/linux"	Client should not pop up	Workaround

			2. Run ./client		
		Equivalence	On Linux 1. Navigate to the Desktop Client folder 2. Run client.exe	Client should not pop up	Workaround
		Boundary	On any 1. Run the programs in terminal with any text following the program and a space	Client should pop up	Workaround
		Boundary	On any 2. Run the programs in terminal with a '/' in front	Client should pop up	Workaround
		Functionality	Open a browser Enter the IP address of the server	Client should pop up	Critical
		Equivalence	Open a browser Enter the IP address with an extra period at the end	Client should not pop up	Workaround
3	open a web client	Equivalence	Open a browser Enter the IP address with an extra period at the beginning	Client should not pop up	Workaround
		Boundary	 Open a browser Enter the IP address with 'http://' as a prefix 	Client should pop up	Workaround
		Boundary	 Open a browser Enter the IP address with a '/' at the end 	Client should pop up	Workaround
		Functionality	Login on the browser or desktop client Click on a video link	Video should open in new tab and begin playing	Critical
4	stream video	Equivalence	Login on the browser or desktop client Right click on a video link and select open in new tab	Video should open in new tab and begin playing	Important
		Boundary	Once watching a video click navigate to end of video	Video should end immediately	Workaround
		Boundary	Once watching a video click navigate to zero seconds	Video should play from that point	Workaround
5	unload files	Functionality	 Login on the browser or desktop client Click "Choose Files" button Select a .jpg, .png, or other normal image format Click 'open' 	Image should upload to the server	Critical
	upload files	Functionality	 Login on the browser or desktop client Click "Choose Files" button Select a .mp4, .webm, or other normal video format Click 'open' 	Video should upload to the server	Critical

		Functionality	 Login on the browser or desktop client Click "Choose Files" button Select a .mp3 or other normal video format Click 'open' 	Audio should upload to the server	Critical
		Equivalence	 Login on the browser or desktop client Click "Choose Files" button Select a .txt or other non-supported file type Click 'open' 	File should not be uploaded to the server	Important
		Boundary	 Login on the browser or desktop client Click "Choose Files" button Select a 5gb audio, video, or image format Click 'open' 	File should be uploaded to the server	Workaround
		Boundary	5. Login on the browser or desktop client6. Click "Choose Files" button7. Select an blank audio, video, or image8. Click 'open'	File should be uploaded to the server	Workaround
		Functionality	On Mac 1. Navigate to the Server folder 2. Run start_mac_server.command	Should be prompted to create password	Critical
6	configure my server	Functionality	On Windows 1. Navigate to the Server folder 2. Run start_server.bat	Should be prompted to create password	Critical
		Functionality	On Linux 1. Navigate to the Server folder 2. Run ./RUN_SERVER_LINUX.sh (in Official Release (Buggy)/linux)	Should be prompted to create password	Critical
		Functionality	 Open a browser (example: Crome) Enter the IP address with 'http://' as a prefix Click on the title of an audio file 	Should open new tab to play audio.	important
7	play an audio file	Functionality	 Open a different browser (example: Microsoft Edge) Enter the IP address with 'http://' as a prefix Click on the title of an audio file 	Should open new tab to play audio.	important
		Functionality	 Login on the browser or desktop client Upload an audio file Click on the title of the audio file 	Should open new tab to play audio.	important
		Functionality	 Login on the browser or desktop client Delete an audio file 	Should not open or work in new tab to play audio.	important

			3. Click on the title of the audio file		
		Functionality	Login on the browser or desktop client Upload an existing audio file Click on the title of the first audio file	Should open new tab to play audio.	important
		Functionality	 Login on the browser or desktop client Delete existing audio file re-upload audio file Click on the title of the audio file 	Should open new tab to play audio.	important
		Functionality	 Login on the browser or desktop client Upload an unsupported file Upload a supported audio file Click on the title of the audio file 	Should open new tab to play audio.	important
		Functionality	Login on the browser or desktop client Click on the title of multiple audio files	Should open new a tab to play each audio file.	important
		Functionality	Login on the browser or desktop client Click on the title of the same audio file multiple times	Should open a new tab for each click to play the same audio.	important
		Functionality	 Login on the browser or desktop client Upload an existing audio file Click on the title of the second audio file 	Should open new tab to play audio.	important
		Functionality	 Open a browser (example: Crome) Enter the IP address with 'http://' as a prefix Click on the title of an image file 	Should open new tab to view image.	important
8	view photos	Functionality	 Open a different browser (example: Microsoft Edge) Enter the IP address with 'http://' as a prefix Click on the title of an image file 	Should open new tab to view image.	important
		Functionality	 Login on the browser or desktop client Upload an image file Click on the title of the image file 	Should open new tab to view image.	important
		Functionality	Login on the browser or desktop client Click on the title of multiple image files	Should open new a tab to view each image file.	important
		Functionality	Login on the browser or desktop client	1. Should open a new tab for each click to view the same image.	workaround

		Click on the title of the same audio file multiple times		
	Functionality	Login on the browser or desktop client Delete an image file Click on the title of the image file	Should not open or work in new tab to view image.	important
	Functionality	Login on the browser or desktop client Delete existing image file re-upload image file Click on the title of the image file	Should open new tab to play image.	important
	Functionality	Login on the browser or desktop client Upload an unsupported file Upload a supported image file Click on the title of the image file	Should open new tab to view image.	important
	Functionality	Login on the browser or desktop client Click on .jpg file type	Should open new tab to view image.	important
	Functionality	Login on the browser or desktop client Click on .png file type	Should open new tab to view image.	important
	Functionality	Login on the browser or desktop client Upload an existing image file Click on the title of the first image file	Should open new tab to view image.	important
	Functionality	Login on the browser or desktop client Upload an existing image file Click on the title of the second image file	Should open new tab to view image.	important
	Functionality	On Mac 1. Navigate to the Server folder 2. Run start_mac_server.command 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be granted access using same password. 	Critical
restrict access to those I trust	Functionality	On Windows 1. Navigate to the Server folder 2. Run start_server.bat 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be granted access using same password. 	Critical
	Functionality	On Linux 1. Navigate to the Server folder 2. Run ./RUN_SERVER_LINUX.sh (in Official Release (Buggy)/linux) 3. When prompted for a password enter 'password'	 Terminal prompt should say "Password set." Client should be granted access using same password. 	Critical

		Functionality	 Login on the browser or desktop client Click on the download button next to the file. 	The file is downloaded.	Important
10	douglood files	Functionality	 Login on the browser or desktop client Upload a file Click on the download button next to the file. 	The file is downloaded.	Important
10	download files	Functionality	 Login on the browser or desktop client delete a file Click on the download button next to the file. 	The file is not downloaded.	Important
		Functionality	Login on the browser or desktop client Click on the download button next to a already downloaded file.	The file is downloaded a second time.	workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Look at the bottom of the page and see if the history header exists 	A header tab should exist. The first time you do this there should be nothing under the header.	workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Try to download an audio file See if the history has updated 	Under the header there should be a comment/note that, the file that was downloaded has been downloaded.	workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Try to download a .jpeg file See if the history has updated 	The jpeg file should show up in the history list	workaround
11	see my viewing history	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Try to download an webm file See if the history has updated 	The webm file should show up in the history list	workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Try to upload an audio file See if the history has updated 	The audio file should show up in the history list	workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Try to upload a .jpeg file See if the history has updated 	The jpeg file should show up in the history list	workaround
		Functionality	Open a browser	The webm file should show up in the history list	workaround

			 Enter the IP address with 'http://' as a prefix Try to upload a .webm file See if the history has updated 		
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Mark a movie as a favorite 	The star next to the link should become highlighted	Workaround
12	mark movies I enjoy as favorites	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a movie to the client Mark a movie as a favorite 	The star next to the link should become highlighted	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open a new browser Enter the IP address with 'http://' as a prefix 	Both of the clients should work normally	Important
15	support for multiple clients at once	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open a new browser Enter the IP address with 'http://' as a prefix Open a new browser Enter the IP address with 'http://' as a prefix Enter the IP address with 'http://' as a prefix 	Both of the clients should work normally	Important
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Download a jpeg file Clear history 	The history should be cleared	Workaround
16	clear my history	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Download an audio file Clear history Upload a file 	The history should be cleared	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Download a webm file Clear history download a webm file 	The history should only contain the newly downloaded file	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a 	The history should only contain the newly downloaded file	Workaround

			prefix 3. Upload a jpeg file 4. Clear history 5. Upload a jpeg file		
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload an audio file file Clear history download an audio file 	The history should only contain the newly downloaded file	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Mark a movie as a favorite Unmark the movie as favorite 	The star next to the movie's link should become unhighlighted	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Mark a .jpep as a favorite Unmark the .jpeg as favorite 	The star next to the movie's link should become unhighlighted	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Mark a audio as a favorite Unmark the audio as favorite 	The star next to the movie's link should become unhighlighted	Workaround
17	able to unmark favorites	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a movie Mark a movie as a favorite Unmark the movie as favorite 	The star next to the movie's link should become unhighlighted	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a jpeg Mark a .jpep as a favorite Unmark the .jpeg as favorite 	The star next to the movie's link should become unhighlighted	Workaround
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload an audio file Mark a audio as a favorite Unmark the audio as favorite 	The star next to the movie's link should become unhighlighted	Workaround
18	delete media off the server to make room	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Delete a jpeg file 	The file's link should disappear from the web browser and the desktop client	Important

Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Delete an audio file 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Delete movie file 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a jpeg Delete a jpeg file 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload an audio file Delete an audio file 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a movie file Delete movie file 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Delete a jpeg file in the browser 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Delete an audio file in a desktop app 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Delete movie file in the desktop app 	The file's link should disappear from the web browser and the desktop client	Important
Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Upload a jpeg in the browser 	The file's link should disappear from the web browser and the desktop client	Important

			6. Delete a jpeg file in the desktop client		
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Upload an audio file in the browser Delete an audio file from the client 	The file's link should disappear from the web browser and the desktop client	Important
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Open the desktop app Enter the IP and password Upload a movie file in the browser Delete movie file in the client 	The file's link should disappear from the web browser and the desktop client	Important
		Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a large movie file 	An download box should appear on the screen display how much of the file has been downloaded	Workaround
19	see the progress of my uploads and video transcoding	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix Upload a large file 	An download box should appear on the screen display how much of the file has been downloaded	Workaround
		Functionality	 Open the desktop app Enter the IP and password Download a large file 	An download box should appear on the screen display how much of the file has been downloaded	Workaround
		Functionality	 Run the server on windows (refer to ID1) Open a client in windows (refer to ID2+3) 	Server and client should run.	Critical
NF 1	Server and client should run on Linux/OSX/Windows	Functionality	Run the server on Linux (refer to ID1) Open a client in Linux (refer to ID2+3)	Server and client should run.	Critical
		Functionality	Run the server on OSX (refer to ID1) Open a client in OSX (refer to ID2+3)	Server and client should run	Critical
NF 2	A user should not be able to access any files/directories that are not shared from	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix 	User should not have access to files/directories not shared from server	Important
	the server.	Functionality	 Open the desktop app Enter the IP and password 	User should not have access to files/directories not shared from server	Important
NF 3	Security: Secure transmission of movies using SSL	Functionality	 Open a browser Enter the IP address with 'http://' as a prefix View SSL certificate through browser settings 	Site should have SSL certificate	Important
NF 4	Security: Password should not be blank	Functionality	Enter 'test123' as the password	The server should accept the password	Critical

		Boundary	Enter " as the password	The server should reject the password with a helpful error	Critical
		Functionality	Enter 'test123' as the password	The server should accept the password	Critical
	Security: The password should not allow	Equivalence	Enter 'test 123' as the password	The server should error saying that that is not an appropriate password	Critical
NF 5	weird characters that are difficult to type or could potentially break the program	Equivalence	Enter 'test 123' as the password	The server should error saying that that is not an appropriate password	Critical
	(tab, newline, etc)	Boundary	n/a (this nonfunctional requirement is a boundary case inherently)		n/a
NF 6	Security: Password should be safe from prying eyes in the room	Functionality	Start typing the password on the web UI	The password field should be masked (i.e. show ••••• instead of the plain text password)	Important
INF 0		Functionality	Start typing the password on the desktop UI	The password field should be masked (i.e. show ••••• instead of the plain text password)	Important
NF 7	Usability: The server should be able to be started with no additional work done by the user besides specifying configuration parameters	Functionality	Run server on any platform (refer to ID1)	Server should run without asking for anything more than a password. 1. Terminal prompt should say "Password set." 2. Client should be able to view server at http://localhost:8080/	Workaround
	Usability: The clients should be easy to use with clear usage patterns and UI elements.	Functionality	Run server on any platform (refer to ID1) Open desktop client (refer to ID2)	User should easily be able to figure out how to use the client.	Important
NF 8		Functionality	Run server on any platform (refer to ID1) Open web client (refer to ID3)	User should easily be able to figure out how to use the client.	Important
		Functionality	 Connect to the server with 2 different Connect to the server with a 3rd client 	The 3rd client should be able to connect.	Workaround
NF 9	Performance: A maximum of 5 clients at once should be supported.	Equivalence	 Connect to the server with 3 different clients Connect to the server with a 4th client 	The 4th client should be able to connect.	Workaround
		Boundary	Connect to the server with 4 different clients Connect to the server with a 5th client	The 5th client should <i>not</i> be able to connect.	Workaround
	Desferonce Melonome de caldinad	Functionality	Play a 3gb video on the web client	Buffering should last under 60s	Workaround
NF	Performance: Web pages should load without timing out, and videos should	Equivalence	Play a 3gb video on the web client	Buffering should last under 60s	Workaround
10	not buffer for more than 1 minute.	Boundary	Play a 5gb video on the web client	Buffering should last under 60s	Workaround
		Functionality	Play a 500mb file on the web client	Performance should seem nominal (no stuttering, lag)	Workaround
	Performance: A maximum file size of	Functionality	Play a 2.5gb file on the desktop client	Performance should seem nominal (no stuttering, lag)	Workaround
NF	5GB should be supported for playing on the desktop client and 1GB for playing	Equivalence	Play a 8GB file on the desktop client	Performance <i>might</i> be poor (but not necessarily)	Workaround
11	on the web client. Larger files may work, but performance may vary.	Equivalence	2. Play a 3GB file on the web client	Performance <i>might</i> be poor (but not necessarily)	Workaround
	bat performance may vary.	Boundary	2. Play a 1GB file on the web client	Performance should seem nominal (no stuttering, lag)	Workaround

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	Boundary	Play a 5GB file on the desktop client	Performance should seem nominal (no stuttering, lag)	Workaround
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