HomeView
Business Requirements Document

Uniting Streaming Services on One Site

October 6, 2021

Unite
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Version and Approvals

Version History			
Version #	Date	Revised By	Reason for change
1	10/6/2021		

This document has been approved as the official Business Requirements Document for **HomeView**, and accurately reflects the current understanding of business requirements. Following approval of this document, requirement changes will be governed by the project's change management process, including impact analysis, appropriate reviews and approvals.

Document Approvals			
Approver Name	Project Role	Signature/Electronic Approval	Date

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1. Project Details

Project Name	HomeView
Project Type	Web Application
Project Start Date	09/2021
Project End Date	05/2022
Client	V. Vong
Team Leader	Eric Truong
Scrum Master	Daniel Monge

2.   Overview

2.1 Purpose

Our team is proposing HomeView, a web application that aims to provide an easier browsing experience among users' American streaming services. As a web application, it will be accessible on all Windows and Mac operating systems. As a web application, users would access all features of the app without downloading excess software on their devices.

2.2 Project Overview

Our team is aiming to solve a browsing and convenience problem. Subscribers of multiple American streaming services experience difficulty in trying to find a specific title to watch or to experience something new. As cited by Wonder (research company), the average Netflix user spends around 20.75 minutes of their day, or 126 hours of their year, spent searching for titles to watch. Moreover, searching for new movies or shows involves logging in to each platform individually, and dealing with separate browsing catalogs. In addition, although American streaming services already offer a free way for users to view their catalog, users are able to view each of their subscription's catalog collectively on our site, rather than taking more time to view each individually. Our product will serve as an organized, customized database and comfortable American streaming service navigator. The vision of HomeView is to provide clients with an effortless stream searching experience while also unifying all different American streaming services.

2.3 Intended Audience and Reading Suggestions

HomeView is intended for any age or demographic who is subscribed to two or more American streaming services. This web application offers the user a convenient approach to finding shows and movies across multiple American streaming services into one site.

This document outlines the functional business requirements and nonfunctional business requirements in a master table (See section 3: Business Requirements). Each of these requirements is labeled with an ID and prefix. The main features of HomeView are outlined in proceeding sections. Each feature contains an overview and relevant information on how it will satisfy functional and nonfunctional requirements in use case diagrams.

A Glossary of Terms is included at the end of this document to refer to HomeView-specific language such as the Central Media Library and ActWiki, as well as technological terms related to the development of the project.

2.4 Project Scope

HomeView is a web application intended to be used to easily browse catalogs of all streaming services. The main point of this website is to put all available movies and shows into one place.

2.4.1 In Scope

- Unites all media (films and television shows) libraries of all U.S. streaming services (Netflix, Hulu, Disney Plus, IMDB, HBO Max, Paramount TV, and Peacock) that a user is subscribed to into one browsing experience
- Allow users to select streaming services they are subscribed to
- Generate recommendations based on similar genre filter tags
- Allow users to create playlists consisting of titles
- Allow users to add and remove titles to playlists
- Allow users to add and remove contributors to playlists
- Allow users to delete playlists
- Allow users to rate titles
- Allow users to write reviews for titles
- Allow users to blacklist certain actors/actresses
- Allow users to blacklist genres
- Allows users to view actor/actress information
- Allows users to view articles regarding titles of streaming services
- Allow users to opt-out of email notifications

2.4.2 Out of Scope

- Viewership data API source
- Support for other languages
- Implementing seasonal categories for holidays
- Implementation of upvoting feature on public playlists
- Support for foreign streaming services
- Users can watch titles through external streaming service URL links
- Email notifications to users using API source

2.5 Stakeholders

The following comprises the internal and external stakeholders whose requirements are represented by this document:

#	Stakeholders
1	Christian Lam
2	Daniel Monge
3	Eric Truong
4	Erina Lara
5	Michael Lamera

2.6 Key Assumptions and Constraints

#	Assumptions
1	User has access to an internet connection
2	User has access to a system capable of running Google Chrome 93 or up
3	User owns an email address
4	User is subscribed to at least one streaming subscription service
#	Constraints
1	Project deadline is May 2022
2	Team Unite has five members
3	Team members are full time students
4	No budget

3.   Business Requirements

3.1 Functional Requirements Table

The following sections document the various functional business requirements of this project.

Function	Prefix	ID#	Priority
Core Components			
Registration			
Users must provide an email address, first name, last name, and a password in order to create an account	F-R	01	1
Users must click on a confirmation email sent to their account's email address to register	F-R	02	1
One email can only be used for one account	F-R	03	2
Only valid email addresses may be used	F-R	04	2
Passwords must have a minimum of 12 characters with one capital letter and one non-alphanumeric character	F-R	05	3
User adds at least two streaming services upon first successful login	F-R	06	2
User display username upon first successful login	F-R	07	2
Security			
User Management / User Access Control / User Analysis Dashboard			
One System Administrator account will control the system's user privileges	F-M	01	1
Administrator accounts are managed by the System Administrator account	F-M	02	1
Administrators can delete User accounts	F-M	03	2
Users can delete their own account	F-M	04	3
Users can only see their own information	F-M	05	1
User account creation and deletion count	F-M	06	4
Average User time spent on site count	F-M	07	4
Monitor what feature has been used the most (Playlists, News, Recommendation Categories, Blacklisting, Ratings and Reviews) through a user's history of activity	F-M	08	4
Deleting a user account will delete all information pertaining to the account: email address, password, first and last name, display name, all playlists, blacklist, all ratings and reviews	F-M	09	2
Login / Logout			
Users, Administrators, and the System Administrator will access their account with their email and password	F-L	01	1
Email addresses must be registered to log in	F-L	02	1
Passwords must match the User's registered password to complete login	F-L	03	1

Three unsuccessful Administrator log-in attempts will lock the account and email the Administrator and System Administrator	F-L	04	4
30 minutes of inactivity will automatically log out a User	F-L	05	3
Users can log out	F-L	06	1
Logging / Archiving			
Log user account log-in attempts, unsuccessful and successful	F-A	01	2
Log User's genre preference by counting genre tags	F-A	02	4
Log sign out information	F-A	03	3
Log all errors	F-A	04	1
Anonymize User data collection	F-A	05	1
Administrators and System Administrators will be able to download logs	F-A	06	4
Error Handling			
Site must be responsive	F-E	01	1
All errors must be handled	F-E	02	1
Users must be informed when an error occurs while they're active	F-E	03	2
Site must not crash at any time	F-E	04	1
Data Store Access			
UAD model can access database	F-S	01	2
Administrators and System Administrators will be able to add user database records	F-S	02	2
Administrators will be able to delete only user database records	F-S	03	2
System Administrator will be able to delete any database records	F-S	04	2
System Administrator will be able to edit any database records	F-S	05	2
Network Communication			
System must be accessible on the internet for all users to be able to access	F-NC	01	1
System must have access to the web and SQL servers	F-NC	02	1
Documentation			
Users must be able to access privacy policy documentation on system	F-D	01	4
Users must be able to access the Frequently Asked Questions documentation on system	F-D	02	4
Application Features			
Central Media Library			
A master streaming service catalog database will include all available Titles for the supported streaming services	F-C	01	1
Central Media Library will include seasonal section	F-C	02	5
The master catalog will be refreshed daily at 2:45am PST	F-C	03	1
User's Central Media Library queries will include titles from the master catalog filtered by their available services	F-C	04	1
Users can query their Central Media Library with genre tags	F-C	05	2
User's Central Media Library contains recommended section with popular Titles from the User's highest genre tag count	F-C	06	1

Titles will have their own unlimited set of genre tags	F-C	07	2
Playlist			
Users can create Playlists	F-P	01	2
Playlists can be Public, Private, or Unlisted	F-P	02	2
User can permanently delete a playlist	F-P	03	3
Users can share playlists by adding contributor's account email to the Playlist's contributor list	F-P	04	2
Users that are added as a Contributor to a playlist can receive email updates when someone updates, adds, or removes from the playlist	F-P	05	3
Playlists can contain an unlimited amount of titles	F-P	06	2
User can only remove 1 title from a playlist at a time	F-P	07	2
User can only add 1 title to a playlist at a time	F-P	08	2
Users must select whether a contributor is a Viewer or an Editor	F-P	09	2
Contributors that are removed from a playlist will not be able to edit the playlist and will only be able to view the playlist if the playlist is public	F-P	10	2
Playlists can have an unlimited amount of contributors	F-P	11	2
Users that created the playlist can change contributor permissions at any time	F-P	12	2
User can choose to opt out of playlist email notifications, only if the playlist is shared with at least one other user or contributor	F-P	13	2
User's playlists will be easily accessible to users	F-P	14	1
Blacklist			
Users can Blacklist actors, actresses, and or genres from appearing in their Central Media Library	F-B	01	1
Blacklisting parameters are ignored if they do not appear in the master database at all	F-B	02	1
Users can remove actors, actresses, and or genres from the Blacklist	F-B	03	3
Users can enable/disable the Blacklist without losing their Blacklist settings	F-B	04	3
Users can add an actor/actress to their blacklist 1 at a time	F-B	05	3
Users can add a genre to their blacklist 1 at a time	F-B	06	3
Ratings and Reviews			
Users can publicly review titles	F-RR	01	1
Users can publicly rate titles on a scale from 1-5, in half increments	F-RR	02	1
User reviews will appear on the title's page	F-RR	03	2
Average user rating will appear on the title's page	F-RR	04	1
Users will only be able to write one review and rating per television show or film	F-RR	05	3
User reviews cannot exceed more than 2500 characters	F-RR	06	4
Users can delete their own review	F-RR	07	3
ActWiki			

Users will be able to view all the shows and films an actor or actress has appeared in	F-AW	01	1
Actors and actresses must be stored together in their own database	F-AW	02	1
Actors will only be supported if the corresponding actors appears in the IMDB database	F-AW	03	1
Popular and trending actors and actresses will appear on the ActWiki main page	F-AW	04	1
News			
Articles cannot exceed more than 50,000 characters	F-N	01	4
Articles published will be deleted automatically after 1 month, or can be specifically deleted by an administrator	F-N	02	4
News section will be updated weekly on Mondays at 12:00AM PT (Pacific Time) by Administrators	F-N	03	2
Articles will be ordered by age (latest first, oldest last)	F-N	04	4
Users will be updated by email notification about any upcoming, soon to be removed, and changing titles on supported streaming platforms, on a weekly basis at 11:00AM PT (Pacific Time) on Mondays	F-N	05	2
Users could view news articles regarding title changes and HomeView news	F-N	06	1

3.2 Non-Functional Requirements Table

The following sections document the various non-functional business requirements of the project.

Non-Functional Requirement	Prefix	ID#	Priority
Core Components			
Registration			
User account is created and logged into database within 20 seconds of confirmation	N-R	01	1
Confirmation email should be sent to user's email address within 1 minute	N-R	02	1
System prompts user to account recovery or suggests to use a different email	N-R	03	2
System prompts user to input a valid email address	N-R	04	2
Passwords must be hidden with a "*" at time of creation	N-R	05	3
Adding initial streaming services and display name page is easy to follow and understand	N-R	06	4
Security:			
User Management / User Access Control / User Analysis Dashboard			
User management should be scalable, future user types should be easily added	N-M	01	1
Accounts marked as administrative will be given administrative privileges within 5 seconds	N-M	02	1
User accounts and all its information will be deleted from database within 5 seconds	N-M	03	3
System displays only the user's information within 5 seconds	N-M	04	1
The UAD should be easy to follow and understand	N-M	05	4
The UAD will contain visuals to represent the logging data	N-M	06	4
UAD data should reflect current and past metrics	N-M	07	4
Administrator accounts that have revoked privileges will have administrative privileges revoked within 5 seconds	N-M	08	1
Log In / Log Out			
User's account dashboard is displayed within 5 seconds	N-L	01	1
Account is logged out of system within 5 seconds	N-L	02	1
Account will be locked within 5 seconds	N-L	05	4
Logging / Archiving			
Logs are downloaded within 1 hour	N-A	01	2
Logs will automatically be deleted after 1 year	N-A	02	4

Error Handling			
Errors messages must be displayed within 5 seconds	N-E	01	1
Error messages are standardized	N-E	02	1
All errors will be logged within 5 seconds	N-E	03	1
Users will be notified of an external error (outside the system) within 1 minute	N-E	04	1
Data Store Access			
Database records are processed and displayed within 5 seconds	N-S	01	2
Database records will be added to the datastore within 1 minute	N-S	02	2
Database records selected to be removed will be removed from the datastore within 1 minute	N-S	03	2
Network Communication			
System is displayed within 5 seconds	N-NC	01	1
System is connected to network, web, and SQL servers within 5 minutes	N-NC	02	1
Documentation			
The privacy policy section should be easily accessible from the homepage	N-D	01	4
The FAQ section should be easily accessible from the homepage	N-D	02	4
Application Features			
Central Media Library			
Titles will display their information within 5 seconds	N-C	01	1
Streaming service catalogs will be updated and refreshed daily	N-C	02	5
Recommendations will be generated within 5 seconds	N-C	03	1
Colors used on system should not be offensive to eyes	N-C	04	2
System must be intuitive and easy to follow for user	N-C	05	2
Playlist			
Playlist information will be displayed within 5 seconds	N-P	01	2
Playlists will be deleted from user's account within 5 seconds	N-P	02	2
Playlists will be created in user's account within 5 seconds	N-P	03	3
Playlist email notifications will be sent within 1 minute	N-P	04	2
Editing a playlist will be intuitive	N-P	05	3
Playlists will track views	N-P	06	4
Titles will be added to a playlist within 5 seconds	N-P	07	2
Titles will be removed from a playlist within 5 seconds	N-P	08	2
Users will be added as a contributor to a playlist within 5 seconds	N-P	09	2

Contributors will be removed from a playlist within 5 seconds	N-P	10	2
Contributor permissions will be changed within 5 seconds	N-P	11	2
User is opt-ed out of playlist email notifications within 5 seconds	N-P	12	2
Blacklist			
Title recommendations without the blacklisted actors, actresses, and or genres should be displayed within 10 seconds	N-B	01	3
Blacklisting an actor, actress, and or genre will be intuitive and easy to follow	N-B	02	1
Blacklisting criteria will be easy to edit	N-B	03	4
The system will properly inform the User when the blacklist is enabled	N-B	04	4
An actor/actress should be added to user's blacklist within 5 seconds	N-B	05	3
A genre should be added to a user's blacklist within 5 seconds	N-B	06	3
An actor/actress should be removed from a user's blacklist within 5 seconds	N-B	07	3
A genre should be removed from a user's blacklist within 5 seconds	N-B	08	3
A blacklist should be enabled or disabled within 5 seconds	N-B	09	2
Ratings and Reviews			
Ratings and reviews should be displayed under each title's profile within 5 seconds	N-RR	01	1
User's given rating for a title should be processed within 5 seconds	N-RR	02	1
User's given review for a title should be processed within 5 seconds	N-RR	03	2
Reviews should be deleted within 5 seconds	N-RR	04	1
User Reviews are displayed in a readable manner	N-RR	05	1
User ratings could be changed	N-RR	06	3
User review character count will show while the user is typing it	N-RR	07	4
ActWiki			
Actor and or Actress information should be displayed within 5 seconds	N-AW	01	1
Actor and Actress database must be refreshed and updated daily	N-AW	02	1
ActWiki will contain clearly categorized information	N-AW	03	1
News			
Articles must be published within 5 seconds	N-N	01	4

Articles older than 1 month must be deleted and removed from system within 5 seconds	N-N	02	4
News section will be refreshed weekly every Monday	N-N	03	2
News email notifications must be sent to users within 1 minute	N-N	04	4
New articles and new sections will be announced on the User's homepage	N-N	05	2
UI / UX			
All UI/UX pages and sections must be intuitive and appealing to user's eyes	N-UI	01	2
All UI/UX pages must be loaded within 1 minute	N-UI	02	2
All pages and sections on site must be user intuitive and easily accessible	N-UI	03	1
User experience must be helpful, easy to utilize, and easy to access	N-UI	04	1

4. Registration

4.1 Summary

- In order to utilize the system, users are required to register for an account
- Users are able to register for an account by entering their email address, first name, last name, and a password
- After registering an account, users must verify their account through an email verification email
- After verifying their email, users will be sent to a first-time login page in which the sser checks off streaming services from a list of supported options, and enters their own display name

4.2 Objectives

- Register an account
- Complete registration by verifying account through confirmation email
- User completes first time login page

Use Case ID:	U-R.01	
Description:	Actor registers an account with HomeView	
Created By:	Erina Lara	Last Updated By: Daniel Monge
Date Created:	10/3/21	Date Last Updated: 10/4/21

Actors:	Users, Administrators
Functional Requirements	F-R.01, F-R.03, F-R.04, F-R.05, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-A.05 F-A.01,
Non-Functional Requirements	N-R.03, N-R.02, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor must not have a registered account Actor must have an internet connection
Postconditions:	Actor is sent a confirmation link via email

Normal Course:	1. Actor opens their browser
	2. Actor navigates to website URL and reaches the login and registration page
	   a. Registration/login page is displayed
	3. Actor inputs information in the register section
	   a. Actor enters their email address
	   b. Actor enters their first name and last name
	   c. Actor enters their own password
	4. Actor clicks Register button

Alternative Courses:	NA
Success:	Actor is sent a verification email to verify their account
Exceptions:	Actor enters an already registered email Actor enters an invalid email Actor enters an invalid password
Priority:	1

Use Case ID:	U-R-02		
Description:	Actor completes registration from confirmation email		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/3/2021	Date Last Updated:	10/4/21

Actors:	Users, Administrators
Functional Requirements	F-R.02, F-E.02, F-E.03 F-A.05
Non-Functional Requirements	N-R.01, N-E.01, N-E.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor successfully passes U-R.01 Actor was successfully sent a confirmation email
Postconditions:	Actor has successfully registered to the site
Normal Course:	1. The Actor opens the link sent to them from HomeView
Alternative Courses:	NA
Success:	The Actor is directed to a successful account creation page
Exceptions:	Link could not be verified using the information the Actor provided
Priority:	1

Use Case ID:	U-R-03		
Description:	Actor completes first-time login page		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/3/2021	Date Last Updated:	10/4/21

Actors:	Users, Administrators
Functional Requirements	F-R.06, F-R.07, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-A.04, F-A.05
Non-Functional Requirements	N-R.06, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor successfully logs in from U-L.01 Actor has not logged in before Actor has no registered streaming services Actor has no Display Name
Postconditions:	Actor has a Display Name and at least two registered streaming service
Normal Course:	1. The Actor checks off streaming services from a list of supported options 2. The Actor enters a Display Name 3. The Actor clicks done
Alternative Courses:	NA
Success:	The Actor is directed to their personalized homepage
Exceptions:	No streaming services were added Actor enters a blank Display Name
Priority:	1

5.   **Security: User Management / User Access Control / User Analysis Dashboard**

5.1 Summary

- Describes functionalities regarding user management
- Describes functionalities regarding user access control
- Helps monitor/track usage analysis of system
- Security of the system will follow the NIST framework, which aims to:
  - Identify, which aims to find what components and functions need protection
  - Protect, which aims to implement safeguards to protect the system's assets
  - Detect, which aims to implement mechanisms to identify cybersecurity attacks
  - Respond, which aims to construct methods to contain and appropriate responses for the impacts of cybersecurity incidents
  - Recover, which aims to implement methods to restore impaired services due to cybersecurity incidents

5.2 Objectives

- Delete a user account
- Elevate a user account's permissions/role
- Demote an Administrator account
- Display Usage Analysis Dashboard

Use Case ID:	U-M.01		
Description:	Delete a user account		
Created By:	Erina Lara	Last Updated By:	Eric Truong
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators, System Administrator
Functional Requirements	F-M.03, F-M.04, F-M.09, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-S.01, F-S.03, F-S.04, F-S.05
Non-Functional Requirements	N-M.04, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor must already have a registered account with system Actor must be logged in
Postconditions:	Actor account is deleted
Normal Course:	1. Actor navigates to Account Settings section on website

	2. Actor clicks Delete Account
	3. Actor enters account password to confirm deletion of their account
Alternative Courses:	1. System Administrator or Administrator accesses UAD menu
	2. System Administrator or Administrator selects "List of Users"
	3. System Administrator or Administrator selects a user
	4. System Administrators or Administrator clicks, "Delete User"
Success:	System displays the message, "User Account Deletion Successful" to Actor
Exceptions:	Account that is trying to be deleted contains administrative privileges
Priority:	3

Use Case ID:	U-M.02		
Description:	System Administrator elevates a user account to have administrative privileges		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/4/21

Actors:	System Administrator
Functional Requirements	F-M.01, F-M.02, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03, F-S.02, F-S.05
Non-Functional Requirements	N-M.02, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04
Preconditions:	System Administrator must be logged in
Postconditions:	Actor account is marked as Administrator Account Actor account is included in "List of Administrators" in UAD menu

Normal Course:	1. System Administrator navigates to UAD menu
	     a. UAD menu is displayed
	 2. System Administrator selects "List of Users"
	     a. List of users is displayed
	 3. System Administrator selects a user account
	 4. System Administrator clicks "Give Administrative Privileges"
	 5. System Administrator is prompted for password

	6. System Administrator enters password and clicks "OK"
Alternative Courses:	NA
Success:	System displays the message, "User Account is now an Administrator" to Actor
Exceptions:	Invalid Password
Priority:	2

Use Case ID:	U-M.03		
Description:	System Administrator demotes an administrator account to a user account		
Created By:	Erina Lara	Last Updated By:	Michael Lamera
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	System Administrator
Functional Requirements	F-M.01, F-M.02, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03
Non-Functional Requirements	N-M.08, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04
Preconditions:	System Administrator must be logged in
Postconditions:	Administrator account has administrator privileges revoked Administrator account becomes a User Account Administrator account is removed from "List of Administrators" in UAD menu
Normal Course:	1. System Administrator navigates to UAD menu 2. System Administrator selects "List of Administrators" 3. System Administrator selects an Administrator account 4. System Administrator clicks "Revoke Administrative Privileges" 5. System Administrator is prompted for password 6. System Administrator enters password and clicks "OK"
Alternative Courses:	NA

Success:	System displays the message, "Administrator account has privileges revoked and is now a User account" to System Administrator
Exceptions:	Invalid Password
Priority:	2

Use Case ID:	U-M.04		
Description:	Show UAD		
Created By:	Erina Lara	Last Updated By:	Eric Truong
Date Created:	10/3/21	Date Last Updated:	10/4/21

Actors:	System Administrator, Administrators
Functional Requirements	F-M.06, F-M.07, F-M.08, F-S.02, F-NC.01, F-NC.02, F-E.01, F-E.04, F-S.01
Non-Functional Requirements	N-M.05, N-M.06, N-M.07, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	System Administrator or Administrator must be logged in
Postconditions:	UAD is displayed on screen
Normal Course:	1. System Administrator or Administrator clicks on "UAD" section on website
Alternative Courses:	NA
Success:	System Administrator or Administrator is able to view the UAD section
Exceptions:	NA
Priority:	2

6. Login / Logout

6.1 Summary

- User will be able to log in to system using their registered account information
- User will be able to log out of system
- If a user is inactive for more than 30 minutes, then the user will automatically be logged out of their account
- Successful and unsuccessful login and logout attempts will be logged

6.2 Objectives

- Login to system

- Logout of system

Use Case ID:	U-L.01		
Description:	Actor logs in to HomeView		
Created By:	Daniel Monge	Last Updated By:	Eric Truong
Date Created:	10/3/2021	Date Last Updated:	10/4/21

Actors:	Users, Administrators
Functional Requirements	F-L.01, F-L.02, F-L.03, F-L.04, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-A.01, F-A.05, F-A.04
Non-Functional Requirements	N-L.01, N-L.03, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	The Actor is registered with HomeView The Actor has reached the HomeView login page
Postconditions:	The Actor has logged into the HomeView
Normal Course:	1. The Actor reaches HomeView's login and registration page 2. The Actor enters an email address, and a password 3. The Actor clicks the login button a. The system verifies the email address and password
Alternative Courses:	1. The Actor reaches HomeView's login and registration page 2. The Actor enters an email address, and a password 3. The system fails to verify the email address and password 3 times in the past 5 minutes 4. The account is locked for 1 hour
Success:	The Actor is directed to their homepage
Exceptions:	Email and password combination was not found in the database
Priority:	1

Use Case ID:	U-L.02		
Description:	Actor logs out of HomeView		
Created By:	Daniel Monge	Last Updated By:	Erina Lara

Date Created:	10/3/2021		Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F-L.05, F-L.06, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-L.02, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	The Actor is logged into HomeView The Actor is currently on their homepage
Postconditions:	The Actor has logged out of HomeView
Normal Course:	1. The Actor reaches their homepage 2. The Actor clicks the logout button
Alternative Courses:	1. The Actor is inactive on the site for 30 minutes
Success:	The Actor is directed to HomeView's login and registration page
Exceptions:	NA
Priority:	1

7.   Logging / Archiving

7.1 Summary

- Successful and unsuccessful login/logout attempts will be logged for all users, administrators, system administrator
- All user activity will be logged
- User activity will include:
    - User ratings
        - Rating on a title
    - User reviews
        - Reviews written for a title
    - User playlists
        - Creating a playlist

- Deleting a playlist
- Adding/Removing a contributor from a playlist
- Adding/Removing titles from a playlist
  - User's Blacklist
    - Adding/Removing actors actresses
    - Adding/Removing genres
  - Length of each session
  - Most viewed/frequently visited sections
  - Most viewed genres
  - Most viewed actors/actresses
  - Article viewing history
- All errors will be logged
- All administrator and system administrator sessions will be logged
- All administrator and system administrator actions will be logged
- Administrators and system administrator will be able to download logs
- User logs will be anonymized during data collection for UAD
- After 1 year, all logs will automatically be deleted

7.2 Objectives

- Accessing Logs

Use Case ID:	U-L.01		
Description:	Accessing Logs		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/3/2021	Date Last Updated:	10/4/21

Actors:	Administrator, System Administrator
Functional Requirements	F-A.01, F-A.02, F-A.03, F-A.04, F-A.05, F-A.06 F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-S.01
Non-Functional requirements	N-A.01, N-A.02, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04
Preconditions:	Actor is logged in Actor is Administrator or System Administrator Actor is selects
Postconditions:	Logs are downloaded to the Actor's PC

Normal Course:	1. System Administrator or Administrator accesses UAD
	2. System Administrator or Administrator selects Logs button
	    a. System Administrator or Administrator fills in From range and To range
	    b. System Administrator or Administrator clicks the next button

Alternative Courses:	NA
Success:	Actor sees a successful download message on the UAD
Exceptions:	Actor does not input a valid date Actor does To date is before the From data
Priority:	3
Notes:	Utilized for logging and archiving

8.   Error Handling

8.1 Summary

- All errors will be logged
- Administrators, and the System Administrator will be notified when an internal error within the system occurs
- All errors will be handled and reported swiftly
- Users will be notified when external (not within system) errors occur
  - Includes:
    - Input validation
    - UI errors
    - UX errors

8.2 Objectives

- Site must be responsive at all times
- All errors must be handled
- Users must be informed of external errors
- Site must not crash at any time

9. Data Store Access

9.1 Summary

- System Administrator will be able to:
    - Access all database records
    - Add database records
    - Delete any database record
    - Edit any database record
- Administrators will be able to:
    - Access user database records
    - Add user database records
    - Delete user database records
    - Edit user database records

- Records must be accessed swiftly

9.2 Objectives

- System Administrator will be able to access, add, delete, and edit all database records
- Administrators will be able to only access, add, remove, and edit user database records

10.   Network Communication

10.1 Summary

- In order to function, the system will need network communication
- Users, administrators, and the System Administrator must have a valid internet connection in order to access the system

10.2 Objectives

- System must be able to connect to the web and SQL servers

11. Documentation

11.1 Summary

- To display documentation materials to user regarding system
- Privacy Policy will document user data privacy and will detail what activity from a user is being logged
- FAQ (Frequently Asked Questions) will document the most asked questions regarding the system
- Documentation will be accessible to all users, Administrators, and the System Administrator

11.2 Objectives

- Show Privacy Policy
- Show FAQ

Use Case ID:	U-D.01		
Description:	Show Privacy Policy		
Created By:	Erina Lara	Last Updated By:	Daniel Monge

Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators, System Administrators
Functional Requirements	F-D.01, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-D.01, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor is on their homepage
Postconditions:	Privacy Policy is displayed
Normal Course:	1. Actor opens"About" menu from homepage 2. Actor selects "Privacy Policy"
Alternative Courses:	NA
Success:	Privacy Policy information is displayed to Actor
Exceptions:	NA
Priority:	4

Use Case ID:	U-D.02		
Description:	Show FAQ		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators, System Administrators
Functional Requirements	F-D.02, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-D.02, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor is on their homepage
Postconditions:	FAQ is displayed
Normal Course:	1. Actor opens"About" menu from homepage 2. Actor selects "FAQ"
Alternative Courses:	NA
Success:	FAQ information is displayed to Actor
Exceptions:	NA
Priority:	4

12.   Central Media Library

12.1 Summary

- Unites all media (films and television shows) libraries of all U.S. streaming services (Netflix, Hulu, Disney Plus, IMDB, HBO Max, Paramount TV, and Peacock) that a user is subscribed to into one browsing experience
- Users will be able to query and explore their database in a seamless fashion from their homepage
- Users could filter their results with with genre tags, title information, and actor
- Users' homepage will encourage watching by promoting recommended titles and trending titles on their homepage

12.2 Objectives

- Show Central Media Library (home page)
- Show Title's Information page
- Show Genre's Information page
- Show TV Shows page
- Show Movies page

Use Case ID:	U-C.01		
Description:	Show Central Media Library (Home page)		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F-C.01, F-C.02, F-C.03, F-C.04, F-C.05, F-C.06, F-C.07, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-C.01, N-C.02, N-C.03, N-C.04, N-C.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor must have completed first time login page (CODE)
Postconditions:	Actor is able to view their Central Media Library
Normal Course:	1. Actor is at homepage a. Actor's Central Media Library (home page) is displayed
Alternative Courses:	NA
Success:	Actor's Central Media Library information is displayed
Exceptions:	NA
Priority:	1

Use Case ID:	U-C.02		
Description:	Show Title's Information Page		
Created By:	Erina Lara	Last Updated By:	Michael Lamera
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F-C.01, F-C.02, F-C.03, F-C.04, F-C.05, F-C.06, F-C.07, F-RR.03, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.02
Non-Functional Requirements	N-C.01, N-C.02, N-C.03, N-C.04, N-C.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-RR.01, N-RR.05, N-S.01, N-S.02, N-S.03
Preconditions:	Actor must be logged in Actor must select a title
Postconditions:	The Title's information will appear
Normal Course:	1. Actor selects a Title from their homepage
Alternative Courses:	1. Actor selects a Title from their query results
	1. Actor selects a Title from a playlist

	1. Actor selects a Title from a Genre's page
	1. Actor selects a Title from the TV Shows page
	1. Actor selects a Title from the Movies page
Success:	The Title's information page will load
Exceptions:	NA
Priority:	1

Use Case ID:	U-C.03		
Description:	Show Genres information page		
Created By:	Erina Lara	Last Updated By:	Michael Lamera
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-C.01, F-C.02, F-C.03, F-C.04, F-C.05, F-C.06, F-C.07, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.02
Non-Functional Requirements	N-C.01, N-C.02, N-C.03, N-C.04, N-C.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor must be logged in Actor must select on a genre
Postconditions:	Genres information page is shown
Normal Course:	1. Actor selects a Genre from a title's information page
Alternative Courses:	NA
Success:	Titles that contain the genre will be displayed
Exceptions:	NA
Priority:	1

Use Case ID:	U-C.04		
Description:	Show movies page		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-C.01, F-C.02, F-C.03, F-C.04, F-C.05, F-C.06, F-C.07, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.02, F-A.04, F-A.05

Non-Functional Requirements	N-C.01, N-C.02, N-C.03, N-C.04, N-C.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03		
Preconditions:	Actor must be logged in		
Postconditions:	Movie page is shown		
Normal Course:	1. Actor selects "Movies" page at the top of site		
Alternative Courses:	NA		
Success:	Movies page is displayed on screen to Actor		
Exceptions:	NA		
Priority:	1		

Use Case ID:	U-C.05		
Description:	Show TV shows page		
Created By:	Erina Lara	Last Updated By:	Michael Lamera
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator		
Functional Requirements	F-C.01, F-C.02, F-C.03, F-C.04, F-C.05, F-C.06, F-C.07, F-NC.01, F-NC.02, F-E.01, F-E.04		
Non-Functional Requirements	N-C.01, N-C.02, N-C.03, N-C.04, N-C.05, N-UI.01, N-U1.02, N-UI.03, N-UI.04, N-NC.01, N-NC.02 N-S.01, N-S.02, N-S.03		
Preconditions:	Actor must be logged in		
Postconditions:	TV Shows page is shown		
Normal Course:	1. Actor selects "TV Shows" page at the top of site		
Alternative Courses:	NA		
Success:	TV Shows page is displayed on screen to Actor		
Exceptions:	NA		
Priority:	1		

13.   Playlists

13.1 Summary

- Users will be able to create and share their own playlist consisting of as many titles as they would like
- Users will be able to delete their playlists
- Playlists will be able to be Public, Private, or Unlisted
    - Public: Appears on the public playlist database (which will be displayed on a user's profile)
        - URLs will be self-generated and anyone with the URL can view the playlist
        - Public playlists on a user's profile will be sorted by latest updated date (if there are no updates on a playlist, then the creation date will be used)
    - Private: Only the user can view this playlist
    - Unlisted: Playlist will not appear on the public playlist database (not shown on the user's profile), but users with the URL can view the playlist
- Users can get email notifications about a playlist if they are added as a Contributor

13.2 Objectives

- Create a playlist

- Add a title to a playlist
- Remove a title from a playlist
- Add a contributor to a playlist
- Remove a contributor from a playlist
- Change contributor permissions on a playlist
- Delete a playlist
- Opt-in/Opt-out of playlist email notifications
- Access Playlists

Use Case ID:	U-P.01		
Description:	Create a Playlist		
Created By:	Erina Lara	Last Updated By:	Erina Lara
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-P.01, F-P.02, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03
Non-Functional Requirements	N-P.03, N-P.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor must be logged in
Postconditions:	Playlist is created
Normal Course:	1. Actor clicks on "Account" section from home page a. Actor's Account page is displayed along with its list of created playlists 2. Actor clicks "+" next to "Playlist" subheading 3. Actor is prompted to enter a playlist name, and select a viewing mode of either Public, Private, or Unlisted 4. Actor clicks "Done"
Alternative Courses:	1. Actor is on home page 2. Actor right-clicks a title from page a. Mini Title Options Menu pops up on page 3. Actor hovers over "Add title to Playlist" 4. Actor clicks "Add to New Playlist" 5. Actor is prompted to enter a playlist name, and select a viewing mode of either Public, Private, or Unlisted 6. Actor clicks "Save and Add"
Success:	Playlist of given information is created and is viewable from Actor's "Playlist" section

Exceptions:	Actor enters blank or invalid playlist name
	Actor does not choose a viewing mode
Priority:	2

Use Case ID:	U-P.02		
Description:	Add a Title to Playlist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-P.06, F-P.08, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03
	F-A.02, F-A.04, F-A.05
Non-Functional Requirements	N-P.01, N-P.05, N-P.07, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor must be logged in
	Actor must have completed U-P.01
Postconditions:	Title is added to Actor's playlist
Normal Course:	1. Actor is on Central Media Library page
	2. Actor right-clicks a title from page
	a. Mini Title Options Menu pops up on page
	3. Actor hovers over "Add title to Playlist"
	4. Actor clicks on a playlist name
Alternative Courses:	1. Actor is on Central Media Library page
	2. Actor clicks on a title
	a. Title's page is displayed
	3. Actor clicks "Add title to Playlist"
	a. Actor's existing playlist names pop up on page in a mini menu
	4. Actor clicks on a playlist name
Success:	Actor sees title in playlist
Exceptions:	Title is already added to the playlist
Priority:	2

Use Case ID:	U-P.03		
Description:	Remove a Title from Playlist		
Created By:	Erina Lara	Last Updated By:	Erina Lara

Date Created:	10/3/21		Date Last Updated:	10/5/21
Actors:	Users, Administrator			
Functional Requirements	F-P.07, F-NC.01, F-NC.02, F-E.01, F-E.04			
Non-Functional Requirements	N-P.01, N-P.05, N-P.08, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03			
Preconditions:	Actor must be logged in Actor must have completed U-P.01 and U-P.02			
Postconditions:	Titles are removed from playlist			

Normal Course:	1. Actor clicks on "Account" section from homepage
	   a. Actor's Account page is displayed along with its list of created playlists
	2. Actor clicks on a playlist name
	   a. Actor's playlist's information page is displayed
	3. Actor right clicks on a title
	   a. Mini options menu pops up
	4. Actor clicks "Remove Title from playlist"			

Alternative Courses:	NA			
Success:	Actor no longer sees the specific title in their playlist			
Exceptions:	NA			
Priority:	2			

Use Case ID:	U-P.04		
Description:	Add a Contributor to a Playlist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21
Actors:	Users, Administrator		
Functional Requirements	F-P.04, F-P.05, F-P.09, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03		
Non-Functional Requirements	N-P.01, N-P.04, N-P.05, N-P.09, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04		
Preconditions:	Actor must be logged in Actor must have completed U-P.01		
Postconditions:	A Actor is added as a contributor to playlist		
Normal Course:	1. Actor clicks on "Account" section from homepage		

	a. Actor's Account page is displayed along with its list of created playlists
	2. Actor clicks on a playlist name
	a. Actor's playlist's information page is displayed
	3. Actor clicks "Settings"
	a. Playlist settings page is displayed
	4. Actor clicks "Share"
	a. Share menu pops up
	5. Actor enters contributor's email address
	6. Actor selects Viewer or Editor for contributor's playlist permissions
	7. Actor clicks "Share"
Alternative Courses:	NA
Success:	Playlist Settings's page displays Actor and contributor(s) names
Exceptions:	Contributor is already added to playlist
Priority:	2

Use Case ID:	U-P.05		
Description:	Remove a Contributor from a Playlist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-P.10, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-P.01, N-P.05, N-P.10, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor must have completed U-P.01 and U-P.04
Postconditions:	Contributor is no longer able to access the playlist unless the playlist is public

Normal Course:	1. Actor clicks on "Account" section from homepage
	    a. Actor's Account page is displayed along with its list of created playlists
	2. Actor clicks on a playlist name
	    a. Actor's playlist's information page is displayed
	3. Actor clicks "Settings"

	a. Playlist settings page is displayed	
	4. Actor clicks "Share"	
	a. Share menu pops up	
	5. Actor right clicks contributor's name	
	a. Contributor Permissions mini menu pops up	
	6. Actor clicks "Remove"	
Alternative Courses:	NA	
Success:	Playlist Settings's page no longer displays contributor's name	
Exceptions:	NA	
Priority:	2	

Use Case ID:	U-P.06	
Description:	Change a Contributor's Permissions	
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-P.09, F-P.12, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-A.04, F-A.05
Non-Functional Requirements	N-P.01, N-P.05, N-P.11, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor must have completed U-P.01 and U-P.04
Postconditions:	Contributor's permissions changed

Normal Course:	1. Actor clicks on "Account" section from homepage
	   a. Actor's Account page is displayed along with its list of created playlists
	2. Actor clicks on a playlist name
	   a. Actor's playlist's information page is displayed
	3. Actor clicks "Settings"
	   a. Playlist settings page is displayed
	4. Actor clicks "Share"
	   a. Share menu pops up
	5. Actor right clicks contributor's name
	   a. Contributor Permissions mini menu pops up

	6. Actor sets new Contributor's permissions to Viewer or Editor
Alternative Courses:	NA
Success:	Actor sees that contributor's permissions have changed when clicking on Share menu from Playlist Settings
Exceptions:	Actor tries to change Contributor's permissions to same permissions
Priority:	3

Use Case ID:	U-P.07		
Description:	Delete a Playlist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-P.03, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.04, F-A.05
Non-Functional Requirements	N-P.01, N-P.02, N-P.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in Actor must have completed U-P.01
Postconditions:	Playlist is deleted Playlist contributors are removed

Normal Course:	1. Actor clicks on "Account" section from homepage
	     a. Actor's Account page is displayed along with its list of created playlists
	 2. Actor clicks on a playlist name
	     a. Actor's playlist's information page is displayed
	 3. Actor clicks "Settings"
	     a. Playlist settings page is displayed
	 4. Actor clicks "Delete"

Alternative Courses:	NA
Success:	Playlist no longer appears under Playlist on Actor's Account page
Exceptions:	NA
Priority:	2

Use Case ID:	U-P.08		
Description:	Opt-out/Opt-in of Playlist Email Notifications		
Created By:	Erina Lara	Last Updated By:	Erina Lara
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users
Functional Requirements	F-P.13, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03
Non-Functional Requirements	N-P.01, N-P.05, N-P.12, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04
Preconditions:	Actor must be logged in There must be at least one Contributor in playlist Actor must be listed as a the owner of the playlist or a Contributor in another Actor's playlist
Postconditions:	Actor is opt-ed out of playlist email notifications

Normal Course:	1. Actor clicks on "Account" section from homepage
	  a. Actor's Account page is displayed along with its list of created playlists
	2. Actor clicks on a playlist name
	  a. Actor's playlist's information page is displayed
	3. Actor clicks "Settings"
	  a. Playlist settings page is displayed
	4. Actor unchecks or checks "Receive notifications" box

Alternative Courses:	NA
Success:	Actor stops receiving or starts receiving playlist email notifications
Exceptions:	Actor tries to receive notifications for a playlist that only they can access
Priority:	2

Use Case ID:	U-P.09		
Description:	Access Playlists		
Created By:	Erina Lara	Last Updated By:	Erina Lara
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator

Functional Requirements	F-P.14, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-P.01, N-P.06, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor must be logged in Actor must have completed U-P.01
Postconditions:	Actor's playlist is displayed
Normal Course:	1. Actor clicks on "Account" section from homepage a. Actor's Account page is displayed along with its list of created playlists 2. Actor clicks on a playlist name
Alternative Courses:	NA
Success:	Actor sees the selected playlist's information displayed
Exceptions:	NA
Priority:	1

14.   Blacklist

14.1 Summary

- Users can prevent titles that are of a certain genre (mainstream genres: comedy, action, horror, etc.) or contain certain actors and actresses from popping up throughout the site

14.2 Objectives

- Add actor/actress to user's blacklist
- Remove an actor/actress from user's blacklist
- Add a genre to user's blacklist
- Remove a genre from user's blacklist
- Enable/Disable user's blacklist

Use Case ID:	U-B.01		
Description:	Add actor/actress to blacklist		
Created By:	Erina Lara	Last Updated By:	Erina Lara
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-B.01, F-B.05, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03 F-A.04, F-A.05
Non-Functional Requirements	N-B.02, N-B.03, N-B.04, N-B.05, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in
Postconditions:	Actor/Actress is added to Actor's blacklist

Normal Course:	1. Actor navigates to ActWiki from home page
	   a. ActWiki page is displayed
	2. Actor types actor/actress name in search bar and clicks Submit
	   a. System displays actor/actress search results
	3. Actor clicks on actor's/actress's name
	   a. Actor/Actress's information page is displayed
	4. Actor clicks "Add to Blacklist"

Alternative Courses:	1. Actor stays at home page or navigates to "TV Shows" or "Movies" from home page
	    a. If Actor chose to navigate to"TV Shows", "TV Shows" page is displayed
	    b. If Actor chose to navigate to "Movies", "Movies" page is displayed
	2. Actor clicks on a title displayed from page
	    a. Title's information page is displayed
	3. Actor clicks on "Actors" section of title's information page
	    a. Title's list of actors and actresses is displayed
	4. Actor clicks on an actor/actress from the displayed list
	    a. Actor is redirected to actor's/actress's information page from ActWiki
	5. Actor clicks "Add to Blacklist"

Success:	Blacklist information contains the actor/actress
Exceptions:	Actor/Actress does not exist in the database Actor/Actress is already in blacklist
Priority:	1
Notes:	Actor can still add an actor/actress to their blacklist even if the blacklist is disabled

Use Case ID:	U-B.02		
Description:	Remove actor/actress from blacklist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-B.03, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.04, F-A.05
Non-Functional Requirements	N-B.03, N-B.07, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in
Postconditions:	Actor/Actress is removed Actor's blacklist
Normal Course:	1. Actor navigates to "Account" section from home page a. Actor's Account page is displayed 2. Actor clicks "View" under Blacklist heading

	a. Actor's blacklist information is displayed
	3. Actor clicks "X" button displayed next to actor
Alternative Courses:	1. Actor stays at home page or navigates to "TV Shows" or "Movies" from home page
	a. If Actor chose to navigate to"TV Shows", "TV Shows" page is displayed
	b. If Actor chose to navigate to "Movies", "Movies" page is displayed
	2. Actor clicks on a title displayed from page
	a. Title's information page is displayed
	3. Actor clicks on "Actors" section of title's information page
	a. Title's list of actors and actresses is displayed
	4. Actor clicks on an actor/actress from the displayed list
	a. Actor is redirected to actor's/actress's information page from ActWiki
	5. Actor clicks "Remove from Blacklist"
	1. Actor navigates to ActWiki from home page
	a. ActWiki page is displayed
	2. Actor types actor/actress name in search bar and clicks Submit
	a. System displays Actor/actress search results
	3. Actor clicks on actor's/actress's name
	a. Actor/Actress's information page is displayed
	4. Actor clicks "Remove from Blacklist"
Success:	Blacklist information no longer contains the actor/actress
Exceptions:	NA
Priority:	2

Use Case ID:	U-B.03		
Description:	Add a genre to blacklist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-B.01, F-B.06, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03

Non-Functional Requirements	N-B.02, N-B.03, N-B.06, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in
Postconditions:	Genre is added to Actor's blacklist

Normal Course:	1. Actor navigates to "Account" section from home page
	    a. Actor's Account page is displayed
	2. Actor clicks "View" under Blacklist heading
	    a. Actor's blacklist information is displayed
	3. Actor types genre name in Genre search box
	    a. Dropdown for compatible genres pops up
	4. Actor selects the compatible genre

Alternative Courses:	1. Actor stays at home page or navigates to "TV Shows" or "Movies" from home page
	    a. If Actor chose to navigate to"TV Shows", "TV Shows" page is displayed
	    b. If Actor chose to navigate to "Movies", "Movies" page is displayed
	2. Actor clicks on a title displayed from page
	    a. Title's information page is displayed
	3. Actor clicks on a genre from the title's information page
	    a. Genre's page is displayed
	4. Actor clicks "Blacklist Genre"from Genre page

Success:	Blacklist information contains the genre
Exceptions:	Genre is already added to Actor's blacklist
Priority:	2

Use Case ID:	U-B.04		
Description:	Remove a genre from blacklist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-B.03, F-NC.01, F-NC.02, F-E.01, F-E.04 F-A.04, F-A.05
Non-Functional Requirements	N-B.03, N-B.08, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03

Preconditions:	Actor is logged in
Postconditions:	Genre is removed from Actor's blacklist

Normal Course:	1. Actor navigates to "Account" section from home page
	    a. Actor's Account page is displayed
	2. Actor clicks "View" under Blacklist heading
	    a. Actor's blacklist information is displayed
	3. Actor clicks "X" button displayed next to genre

Alternative Courses:	1. Actor stays at home page or navigates to "TV Shows" or "Movies" from home page
	    a. If Actor chose to navigate to"TV Shows", "TV Shows" page is displayed
	    b. If Actor chose to navigate to "Movies", "Movies" page is displayed
	2. Actor clicks on a title displayed from page
	3. Title's information page is displayed
	4. Actor clicks on the displayed genre on title's information page
	    a. Genre's page is displayed
	5. Actor clicks "Remove from Blacklist"

Success:	Blacklist information no longer displays the genre
Exceptions:	NA
Priority:	2

Use Case ID:	U-B.05		
Description:	Enable/Disable Blacklist		
Created By:	Erina Lara	Last Updated By:	Daniel Monge
Date Created:	10/3/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F-B.01, F-B.04, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-B.04, N-B.09, N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor is logged in
Postconditions:	Actor's blacklist has been enabled/disabled
Normal Course:	1. Actor navigates to "Account" section from home page a. Actor's Account page is displayed

	2. Actor clicks "View" under Blacklist heading
	    a. Actor's blacklist information is displayed
	3. Actor clicks:
	    a. "Enable", if the Actor wants to enable their blacklist
	    b. "Disable", if the Actor wants to disable their blacklist

Alternative Courses:	1. Actor is on home page, TV Shows page, or Movies page 2. Actor clicks "Enable Blacklist" or "Disable Blacklist" near top of the screen
Success:	Blacklist information page displays that it is currently enabled or disabled Blacklist button on home page, TV Shows page, and Movies page displays "Disable Blacklist" (if the Actor chose to enable the blacklist)," or"Enable Blacklist"(if the Actor chose to disable the blacklist)
Exceptions:	NA
Priority:	2

15. Ratings and Reviews

15.1 Summary

- Users that wish to post reviews of a title may do so through the title's information page
- User reviews are public
- Users can assign a rating to a title
- Average user ratings are presented on the title's information page

15.2 Objectives

- Write reviews to title information pages
- Write ratings to titles
- Delete reviews

Use Case ID:	U.RR.01		
Description:	Write a review for a title		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/5/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F.RR.01, F.RR.03, F.RR.05, F.RR.06, F-NC.01, F-NC.02, F-E.01, F-E.04, F-E.02, F-E.03
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02 N-RR.03, N-RR.07, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor has selected a title to review Actor does not have a current posted review for that title
Postconditions:	The review is posted to the database
Normal Course:	1. Actor selects a title 2. Actor is directed to the title's information page 3. Actor selects "Write a Review" a. Actor fills out review text box b. Text box must contain less than 2500 characters c. Actor chooses their rating 4. Actor selects "Complete"

Alternative Courses:	
Success:	The Actor views their review posted on the title's information page
Exceptions:	The review text box is empty The review text box has more than 2500 characters Actor does not input a rating
Priority:	1

Use Case ID:	U.RR.02		
Description:	Select a rating for a title		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/5/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F.RR.02, F.RR.04, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02 N-RR.02, N-RR.06, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor has selected a title to rate Actor is on the title's information page
Postconditions:	The rating score is posted to the database

Normal Course:	1. Actor selects a title
	2. Actor is directed to title's information page
	3. Actor selects a rating on the ratings bar
	   a. The ratings bar will be 5 stars
	   b. Half increments are accepted
	4. Rating is updated upon click

Alternative Courses:	NA
Success:	Actor sees their rating posted to the rating count
Exceptions:	NA
Priority:	
Notes:	Actors can replace their previous rating by clicking on the scale again. The system will upload the latest rating

Use Case ID:	U.RR.03
Description:	Delete a review

Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/5/21	Date Last Updated:	10/5/21

Actors:	Users, Administrator
Functional Requirements	F.RR.07, F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02 N-RR.04, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor is on title information page Actor has a review posted for the selected title
Postconditions:	The review is removed from the system's database
Normal Course:	1. Actor selects a title 2. Actor is directed to title's information page 3. Actor selects "Delete Current Review"
Alternative Courses:	NA
Success:	The Actor will no longer see their review posted on the title's information page
Exceptions:	NA
Priority:	

16.   ActWiki

16.1 Summary

- The user's guide to exploring movies from their preferred actors and actresses
- Will display movie and TV-show related information about actors and actresses
  - Actors and actresses will only appear if they are available from IMDB's actor / actress list

16.2 Objectives

- Show ActWiki main page
  - ActWiki main page will contain trending and recommended actors and actresses
- Search for actors and actresses

Use Case ID:	U-AW.01		
Description:	Show ActWiki page		
Created By:	Daniel Monge	Last Updated By:	Christian Lam
Date Created:	10/4/21	Date Last Updated:	10/5/21

Actors:	Users, Admins
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04 F-AW.04
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02 N-AW.02, N-AW.03, N-UI.03, N-UI.04
Preconditions:	The Actor is logged in The Actor clicks on ActWiki from their homepage
Postconditions:	The page loads the ActWiki main page
Normal Course:	1. Actor clicks on "ActWiki" button
Alternative Courses:	NA
Success:	The Actor sees popular trending actors and actresses on their page
Exceptions:	
Priority:	1

Use Case ID:	U-AW.02
Description:	Search for an actor/actress

Created By:	Daniel Monge	Last Updated By:	Christian Lam
Date Created:	10/4/21	Date Last Updated:	10/5/21

Actors:	Users, Admins
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04 F-AW.01, F-AW.02, F-AW.03
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-AW.01, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor is on the ActWiki homepage
Postconditions:	The query results is returned to the page
Normal Course:	1. Actor clicks "ActWiki" button 2. Actor searches for an actor or actress in the search bar 3. Actor clicks search button
Alternative Courses:	NA
Success:	The actor is returned with a list of the relevant search matches
Exceptions:	The search bar is empty The actor or actress does not exist in the IMDB catalog
Priority:	1

17.   News

17.1 Summary

- Serve as the system's way of communicating with the users
  - Upcoming changes to title availability among different services will be outlined in the news page articles
- The page will contain articles published by the system and developers, to maintain an updated and engaged user base.

17.2 Objectives

- Publish article
- Delete an article
- Show article information
- Show news page

Use Case ID:	U-N.01		
Description:	Publish article		
Created By:	Daniel Monge	Last Updated By:	Michael Lamera
Date Created:	10/4/21	Date Last Updated:	10/5/21

Actors:	Administrators
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04 F-N.01, F-N.03, F-N.05 F-A.04, F-A.05
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-E.01, N-E.02, N-E.03, N-E.04, N-UI.03, N-UI.04, N-N.01, N-N.02, N-N.03, N-N.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor is an administrator Actor is on the news page
Postconditions:	Article is posted in the system's database

Normal Course:	1. Administrator logs in
	 2. Clicks on "News" button
	 3. Actor clicks on "Publish an Article"
	    a. Actor clicks "upload" to upload a picture
	    b. Actor writes the article title
	    c. Actor writes the article body

	d. Actor presses "Publish"
Alternative Courses:	NA
Success:	The news section is updated with the most recent article
Exceptions:	Article body is empty
	Article title is empty
Priority:	1

Use Case ID:	U-N.02		
Description:	Delete an article		
Created By:	Daniel Monge	Last Updated By:	Michael Lamera
Date Created:	10/5/21	Date Last Updated:	10/5/21

Actors:	Administrators
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04,
	F-N.02
	F-A.04, F-A.05
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02
	N-N.01, N-UI.03, N-UI.04, N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in
	Actor is an administrator
	Actor is on the news page
Postconditions:	The news article is removed from the system's database
Normal Course:	1. Administrator logs in
	2. Clicks on "News" button
	3. Actor clicks on a news item
	4. Actor clicks "Delete"
Alternative Courses:	1. News article lifespan event
	a. News article has reached one month since it's been published
	b. Event checks every day at 12:00am PST
Success:	The article is removed from the news section
Exceptions:	NA
Priority:	1

Use Case ID:	U-N.03		
Description:	Show article information		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/4/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04, F-N.06
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor is on the News page Actor is an Administrator Actor is on the news page
Postconditions:	Article body, picture, and title are loaded to the screen
Normal Course:	1. Actor logs in 2. Actor clicks on "News" button a. List of articles are displayed, with recent first, older articles at bottom 3. Actor clicks on an article
Alternative Courses:	NA
Success:	The Actor is able to see the entire article
Exceptions:	NA
Priority:	1

Use Case ID:	U-N.04		
Description:	Show news page		
Created By:	Daniel Monge	Last Updated By:	Erina Lara
Date Created:	10/4/21	Date Last Updated:	10/5/21

Actors:	Users, Administrators
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04, F-N.04
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04 N-S.01, N-S.02, N-S.03
Preconditions:	Actor is logged in Actor is on homescreen
Postconditions:	The news page is loaded
Normal Course:	1. Actor clicks on News button
Alternative Courses:	NA
Success:	The Actor sees all the news articles, ordered by age
Exceptions:	NA
Priority:	

18. User Interface / User Experience

18.1 Summary

- User experience with site should be helpful, easy to use, appealing, and easily accessible
- User would be able to easily access different functions of our system
- User should be able to provide trust in our system
- User interface should be intuitive and easy to read/understand

18.2 Objectives

- Show Account Page
- See UI/UX requirements under Functional and Non-functional Requirements tables above

Use Case ID:	U-UI.01		
Description:	Show Account page		
Created By:	Erina Lara	Last Updated By:	Eric Truong
Date Created:	10/5/2021	Date Last Updated:	10/5/21

Actors:	Administrators
Functional Requirements	F-NC.01, F-NC.02, F-E.01, F-E.04
Non-Functional Requirements	N-UI.01, N-U1.02, N-NC.01, N-NC.02, N-UI.03, N-UI.04
Preconditions:	Actor is logged in
Postconditions:	Account page is displayed
Normal Course:	1. Actor clicks on "Account" section from top of page 　　a. Actor's Account page is displayed
Alternative Courses:	NA
Success:	Actor sees their Account page displayed
Exceptions:	NA
Priority:	1

19. Glossary of Terms

19.1 Priority Description

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it
4	Low	This is a low priority requirement, or a "nice to have" feature, if time and cost allow it
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release

19.2 Prefix Definitions

Requirements Prefix	Description
F-	Functional requirement
N-	Non-functional requirement
U-	Use Case
R	Registration
M	Security: User Management / User Access Control / User Analysis Dashboard
L	Login / Logout
A	Logging / Archiving
E	Error Handling
S	Data Store Access
NC	Network Communication
D	Documentation
C	Central Media Library
P	Playlist
B	Blacklist
RR	Ratings and Reviews

AW	ActWiki	
N	News	
UI	UI / UX	

19.3 Terms

Term/Acronym	Definition
ActWiki	A section reserved for Actor/Actress information
Administrator	User that is given administrative controls from the head administrator, and has a limited set of privileges over the system
Article	A written piece of information that is written by administrators to communicate with users
Blacklist	The set of criteria used to filter the User's query results
Central Media Library	A customized database comprised of all U.S streaming service catalogs
Core Component	The most essential parts needed for the product to function. Without it, the project would not be possible
Contributor	User that is added to a playlist and is given a role of Viewer or Editor
Database / Data Store	A stored collection of data
Display Name	The name of the user that appears on public Title reviews
Editor	A contributor that is able to edit a playlist
Elevate	Upgrading a user account to have a higher role with certain privileges

Error	An issue that arises unexpectedly that inhibits the system's functionality
Error Handling	Finding an appropriate solution to an error
External	Outside of the system
FAQ (Frequently Asked Questions)	A document regarding the most asked questions about the system
Feature	A specific detail, service, or function that is uniquely from the product
Inactivity	When the system turns idle due to not having any user actions being performed from a mouse or keyboard for a certain amount of time
Log	A record depicting certain information about an activity, action or the like
NA	Not Available
Network Communication	Communicating through the network
Playlist	A list of titles
Privacy Policy	Document that details privacy policy of system
Private	Only the user can view this playlist
Public	Viewable by everyone

Rating	A score from 1-5 that is given to a title that depicts a user's level of enjoyment or favoritism
Review	A written response that gives a summary or opinionated report regarding a title and is written by a user
Server	A system that hosts services for an application
SQL Server	A system that hosts SQL database for an application
System Administrator	The head administrator that manages and has executive control over the system and all accounts
Title	A film, show, or other piece of media offered by the supported streaming services
UAD (Usage Analysis Dashboard)	Information regarding the system's usage between itself and its users
User	An individual that uses the system and has no administrative control
UI (User Interface)	What is displayed to user
Unlisted	Users and those given access to playlist are able to access it
UX (User Experience)	What the user interacts with
Viewer	A contributor that can only view a playlist
Web Server	A server that acts as a middleman between a client and a database and hosts services for the application

20.   References

Balbix. (2021, April 1). *What is the NIST Cybersecurity Framework?* Balbix. Retrieved October 6, 2021, from https://www.balbix.com/insights/nist-cybersecurity-framework/