MOVIE STREAMING WEBSITE

Use-Case Specification

Version <1.0>

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 19/Jun/22 | <1.0> | Create and describe each use case. | Thịnh, Nguyên, Khôi, Lam, Khanh |
|  |  | Draw use case model | Thịnh |
|  |  |  |  |
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# Use-case Model

Diagram

Description automatically generated

# Use-case Specifications

## Administrator features

### Use-case: User list control

|  |  |
| --- | --- |
| Use case Name | Control user playlist |
| Brief description | Controlling all users’ basic and extra information. |
| Actors | Administrator |
| Basic Flow | 1. At the homepage, the admin will click the ‘Login’ button. 2. Admin enters username and password of the admin’s account. 3. System checks if the username and password are correct or not. 4. The system displays the administration dashboard. 5. Admin clicks the user’s list section. 6. The system displays all the users who are registered to the web and their basic and extra information. |
| Alternative Flows | **Alternative flow 1: Admin cannot log in because he/she forgets the password.**   1. From #1 of the basic flow, the admin clicks on the button. 2. At #3, the system checks if the password is wrong. 3. Admin cannot log in to the dashboard. 4. Go back to #2 of the basic flow. |
| Pre-conditions | Admin goes to the homepage of the website. |
| Post-conditions | Admin successfully controls every user’s information. |

### Use-case: User's comment moderation

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| --- | --- |
| Use case Name | Deleting a comment. |
| Brief description | Moderating every user’s comment by simply removing a comment, is inappropriate. |
| Actors | Administrator |
| Basic Flow | 1. Admin finds an inappropriate comment. 2. He/she clicks that comment and selects “removed”. 3. The system will check if that comment is already deleted 4. The system will now ask for reconfirmation from the admin. 5. admin selects “yes”. 6. The system will delete that comment and update it to all clients currently viewing that comments section. |
| Alternative Flows | **Alternative flow 1: Admin selects “No” when the system asks for reconfirmation**   1. The system will not do anything with that comment that was chosen before 2. Return to the main control screen   **Alternative flow 2: Comments selected by the admin already deleted by another admin but have not updated to GUI yet**   1. The system will notify the admin that the comment has already been deleted 2. Return to the main control screen |
| Pre-conditions | Admins are currently viewing a comments section |
| Post-conditions | An inappropriate has been deleted |

### Use-case: Film list control

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| --- | --- |
| Use case Name | Controlling all movie lists, adding a movie |
| Brief description | Add a movie from the system |
| Actors | Administrator |
| Basic Flow | 1. Admin enters all information and makes sure the source/file is already in the system of a film he/she wants to add 2. Admin select “add a movie" from the information entered 3. System checks if the movie source/file for streaming is already stored in the system 4. System checks if the information conflicted with any other movie or not 5. System asking for reconfirmation and recheck all information of that movie 6. Admin select “yes” 7. The system adds that movie and its information to the database 8. The system updated all clients in the system with the new movies 9. The system created a link to the source/file for streaming and makes sure the movie is stream ready |
| Alternative Flows | **Alternative flow 1: Admin selected “No” when he/she doesn’t want to add the movie or wants to edit the information again**   1. The system returns to the information tab at #1 with all the old information 2. Admin can quit the tab or update the new information he/she wants to update 3. If he wants to update, then the flow back to Basic flow starts from #2, else return to the main screen   **Alternative flow 2: The system found the information entered by the admin is conflicted with another movie**   1. System return notice the information is conflicted 2. The system will ask if the admin wants to quit or re-edit the information 3. If the admin wants to re-edit the information, then same with alternative flow 1, else return to the main screen |
| Pre-conditions | Admin is accessing the movie database |
| Post-conditions | A movie is added to the database and updated for all users |

|  |  |
| --- | --- |
| Use case Name | Controlling all movie lists, removing a movie |
| Brief description | Remove a movie from the system |
| Actors | Administrator |
| Basic Flow | 1. Admin selected a movie he/she wants to delete. 2. Admin select “remove”. 3. The system will now ask for reconfirmation from the admin. 4. admin selects “yes”. 5. The system will delete that movie from the database. 6. A system update for all clients. |
| Alternative Flows | **Alternative flow: Admin selects “No” when the system asks for reconfirmation**   1. The system will not do anything with that movie that was chosen before 2. Return to the main control screen |
| Pre-conditions | Admin is accessing the movie database |
| Post-conditions | A movie is removed from the database and updated for all users |

### Use-case: Feedback log

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| --- | --- |
| Use case Name | Access the feedback log |
| Brief description | Receiving every feedback of users. |
| Actors | Administrator |
| Basic Flow | 1. Admin views feedback from the user. 2. Admin can reply to the feedback directly or send it to customer support. 3. If the admin replies to the feedback directly then he/she can enter the reply and then select “send”, else then #5. 4. The system will use the email from user information and send the reply to that user via the team/company's email. 5. The admin informs the feedback of the entire team. |
| Alternative Flows | **Alternative flow 1: Admin can reply to the user via the phone number**   1. At #4, the admin clicks ‘reply by phone number’ 2. System checks if the user has entered their phone number or not. 3. The system sends a message to their phone number. |
| Pre-conditions | Access the feedback log view |
| Post-conditions | Respond to user feedback either by replying directly or using that feedback to improve the application |

## User features

### Use-case: Log in / sign up / Log out

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| --- | --- |
| Use case Name | Access to website service |
| Brief description | Creating a user account to store information for website recommendations. |
| Actors | User |
| Basic Flow | 1. On the homepage, the user will click the “Login” button. 2. The user enters their email and password. 3. Press “Enter” to submit and access the user account. |
| Alternative Flows | **Alternative flow 1: The user does not have an account.**   1. From #1, click “Sign up” instead of “Login” 2. Enter name, date of birth, phone number, etc. 3. When finished click the “Create Account” button 4. Then the user needs to check their email to confirm. 5. The account is ready to use.   **Alternative flow 2: The user cannot remember his/her password.**   1. From #2, click “Forget password” 2. The user enters an email. 3. User checks email to reset password |
| Pre-conditions | The user goes to the homepage at www.usflix.net |
| Post-conditions | Users can access his/her account to use any service the website provides |

### Use-case: Edit user basic information

|  |  |
| --- | --- |
| Use case Name | Add or change the basic information. |
| Brief description | Changing personal details on the User Information tab. |
| Actors | User |
| Basic Flow | 1. After logging in successfully, the system displays the homepage of the website. 2. Users will see a ‘User Information’ tab. 3. The user clicks on the tab. 4. The system displays the tab. 5. Users can add or change information such as Full name, Gender, Age, Avatar, Password, Email, Phone number, Payment method, and Credit Card. 6. The user clicks the ‘save’ button. |
| Alternative Flows | **Alternative flow 1: Users do not have to add all the information.**   1. At #5, users do not have to add Email, Phone number, Payment method, or Credit Card. 2. The user clicks the ‘save’ button. |
| Pre-conditions | The user must log in successfully. |
| Post-conditions | All of the information is saved to the database. |

### Use-case: Edit user extra information

|  |  |
| --- | --- |
| Use case Name | Add or change the extra information. |
| Brief description | Make a list of Favorites/Already watched/Not interested films. |
| Actors | User |
| Basic Flow | 1. After logging in successfully, the system displays the homepage of the website. 2. Users will see a ‘User Information’ tab. 3. The user clicks on the tab. 4. The system displays the tab. 5. Users can add or change their favorite genre of films such as Action, Horror, Scientific, Romance, or Comedy, and film categories such as Actors, Age range. 6. The user clicks the ‘save’ button. |
| Alternative Flows | **Alternative flow 1: The user must not leave the choice empty.**   1. At #5, if users leave the choices empty, the user cannot click the ‘save’ button. |
| Pre-conditions | The user must log in successfully. |
| Post-conditions | All of the information is saved to the database. |

### Use-case: Plan and pricing

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| --- | --- |
| Use case Name | Buying plans |
| Brief description | Basic pricing for the user for additional content. |
| Actors | User |
| Basic Flow | 1. The system displays the homepage of the website. 2. Users will see a ‘Plan and pricing’ tab. 3. The user clicks on the tab. 4. The system displays the ‘premium account’ and the price. 5. The user clicks the ‘buy’ button. 6. System changes to the ‘Check out tab. 7. The user checks all the information before confirming to buy. 8. The user clicks the ‘confirm and buy’ button. 9. The system accesses the credit card and the bank and sends a receipt email to the user. |
| Alternative Flows | **Alternative flow 1: The user has already paid but the account is not upgraded.**   1. At #9, if users do not see his/her account upgraded after one hour, they must contact at the ‘Contact and Help Center’ tab immediately. |
| Pre-conditions | Users must add their payment method and credit card number at the ‘User Information’ tab before buying plans. |
| Post-conditions | The user’s account is upgraded to the premium account. |

### Use-case: Watch the trailer

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| --- | --- |
| Use case Name | Show the trailer of the movie to the user |
| Brief description | Allowing users to watch the trailer of the movie. |
| Actors | User |
| Basic Flow | 1. User clicks on one of the films they like. 2. The system shows two buttons ‘Watch trailer’ and ‘Watch movie’. 3. The user clicks the ‘Watch trailer’ button. 4. The system displays the trailer of that movie for the user. |
| Alternative Flows | **Alternative flow 1: The trailer of the movie cannot play**   1. At #4, The system displays the error message ‘Cannot play trailer’. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | Users can have a brief view of the content of the movie. |

### Use-case: Streaming film

|  |  |
| --- | --- |
| Use case Name | Streaming movies on a website platform. |
| Brief description | Allowing users to watch the movie. |
| Actors | User |
| Basic Flow | 1. User clicks on one of the films they like. 2. The system shows two buttons ‘Watch trailer’ and ‘Watch movie’. 3. User presses ‘Watch movie’. 4. The system displays that movie for the user. 5. Waiting for the movie to load. |
| Alternative Flows | **Alternative flow 1: The movie cannot play**   1. From #2, choose another server 2. If the movie still cannot play, click “Report” to send feedback to the administrator |
| Pre-conditions | The user already had access to the homepage at www.usflix.net |
| Post-conditions | If the user does not log in to their account, the movie he/she can watch will be limited. If the user logs in to their account and pays for one of the plans, he/she can watch a movie without any limit. |

### Use-case: Forward/backward film

|  |  |
| --- | --- |
| Use case Name | Change to the next or previous movie |
| Brief description | Moving to the next/previous film. |
| Actors | User |
| Basic Flow | 1. The user is in the movie section. 2. If the film is a series film, the user clicks the‘ next chapter/part’ or ‘previous chapter/part’ button. If the film is a single film, the user clicks the ‘next film’ or ‘previous film’ button. 3. The system will change to the next/previous film section. |
| Alternative Flows | **Alternative flow 1: The user cannot play the next/previous film.**   1. #2, If the film is a series film and that film is the last chapter/part of the first chapter/part, the user cannot press the ‘next chapter/part’ or ‘previous chapter/part’ button. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | The next/previous film is played. |

### Use-case: Time remaining in the film

|  |  |
| --- | --- |
| Use case Name | Show time remains of the movie |
| Brief description | Bookmarking the remaining time when users don’t want to watch more. |
| Actors | User |
| Basic Flow | 1. The user is watching a film. 2. The user pauses the film and closes the website. 3. The system recognizes and bookmarks the timeline when the user pauses. |
| Alternative Flows | **Alternative flow 1: The user wants to watch the movie at the beginning again not watch it for the remaining time.**   1. At #3, the user comes back to the website and clicks the film. 2. The system asks the user to watch from the beginning or continue to watch for the remaining time. 3. The user clicks the ‘watch from the beginning’ button. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | Users can see the time remaining/total time of the movie. |

### Use-case: Film resolution

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| --- | --- |
| Use case Name | Change movie resolution |
| Brief description | Allowing a user to change the resolution of the film. |
| Actors | User |
| Basic Flow | 1. The user selects the “resolution” button 2. The system shows all available resolutions 3. The user chooses which resolution he/she wants 4. System changes the current resolution to the new resolution |
| Alternative Flows | **Alternative flow 1: The user cannot change the resolution because of the internet connection**   1. At #3, the internet connection of the user is too slow. 2. The system will stop the film to load or choose a smaller resolution. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | If the user does not log in to their account, the movie’s maximum resolution will be 480p If the user logs in to their account and pays for one of the plans, the movie’s maximum resolution will be up to 4K (2160p). |

### Use-case: Sound control

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| --- | --- |
| Use case Name | Control movie sound volume |
| Brief description | Allowing a user to adjust the volume. |
| Actors | Users |
| Basic Flow | 1. The user selects the sound slider with a pointer representing the current volume. 2. Users can either drag the pointer to the left to lower the volume or drag it to the right to increase the volume. 3. System changes the current volume from what the current pointer at. |
| Alternative Flows | **Alternative flow 1: Warning the user if the volume is too high.**   1. The user connects to the headphone or the earphone. 2. The system warns the user not to change the volume to the highest. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | The volume of the movie changes to what the user desires |

### Use-case: Film comment

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| --- | --- |
| Use case Name | Leave a comment about the movie |
| Brief description | Allowing users to express their thoughts about that movie. |
| Actors | User |
| Basic Flow | 1. Select comment box 2. Enter comment about the movie 3. System update that comments to all other viewers and the admin |
| Alternative Flows | **Alternative flow 1: The user cannot comment because of the internet connection**   1. At #2, the user’s internet connection is slow. 2. The system notices an error message ‘The comment is not sent. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | User comments will be checked to ensure they do not violate community policies. |

### Use-case: Film-like count

|  |  |
| --- | --- |
| Use case Name | Movies are like buttons |
| Brief description | Allowing a user to react to the film. |
| Actors | User |
| Basic Flow | 1. The user liked a film and select the thumps up button below 2. The liked count increases 3. Liked count will update to all users currently viewing the page |
| Alternative Flows | **Alternative flow 1: The user cannot like more than 1 time.**   1. At #1, the user can only press the ‘like’ button one time. 2. If the user presses again, the system will unlike the film. |
| Pre-conditions | The user has already accessed the movie page. |
| Post-conditions | Users liked the movie and the like count increased |

### Use-case: Top movie charts/ most popular now

|  |  |
| --- | --- |
| Use case Name | Charts about most popular movies. |
| Brief description | Show at homepage chart and list an upcoming and most popular movie |
| Actors | User |
| Basic Flow | 1. The user selects the top movie charts tab 2. The system will send the user to the chart page viewing the chart |
| Alternative Flows | **Alternative flow 1: The user can view the chart from many types of charts**   1. At #2, the user can select many types of charts such as bar charts, column charts, pie charts, and line charts. |
| Pre-conditions | The user has already accessed the homepage at www.usflix.net |
| Post-conditions | Users can view the most popular movies available on the website |

### Use-case: Release calendar for the upcoming film from the theater

|  |  |
| --- | --- |
| Use case Name | A release calendar for upcoming films from the theater |
| Brief description | Showing the most popular movies at the moment. |
| Actors | User |
| Basic Flow | 1. Select the release calendar tab 2. The system sends the user to the calendar page viewing the calendar 3. The user selects a day from the calendar 4. System shows which movie will be released that day |
| Alternative Flows | **Alternative flow 1: The user can make a reminder when the next movie is coming**   1. At #4, the user can save the date when the next movie is coming by clicking on the date, choosing the movie, and making a reminder. |
| Pre-conditions | The user at the home page |
| Post-conditions | Users can see which film will be released on a specific date |

### Use-case: Recommendation/ Already watched/ Favorites/ Not interested

|  |  |
| --- | --- |
| Use case Name | Recommended movie |
| Brief description | Recommending to the user if they don't know what to watch or don't want to watch a certain film/genre. Based on a liked count of a film, user information. |
| Actors | User |
| Basic Flow | 1. The user is watching the film on the movie page 2. Users click to Add/Remove Favorites/Not interested Button 3. The system adds/removes the movie to the Favorites/Not interested List of users 4. To see the list, the user clicks on the Favorites/Not interested movie tab 5. The system shows the list of movie users added. 6. If they did not add any movie, the system shows " Favorites/Not interested movie list is empty.” |
| Alternative Flows | **Alternative flow 1:** **User cannot click the Favorites/Not interested Button (the button disappears)**   1. At #2, the user clicks the refresh page. 2. If the button still disappears, the user finds and clicks the “Help & Feedback” button. 3. The user writes feedback about he/she experience. 4. Press Enter to submit he/she feedback.   **Alternative flow 2: User does not see the movie he/she added to the List**   1. At #5, the user refreshes the page or goes back to the movie page and adds again. 2. If the list is still empty, the user finds and clicks the “Help & Feedback” button. 3. The user writes feedback about he/she experience. 4. Press Enter to submit he/she feedback. |
| Pre-conditions | The user has already watched a movie (with the use-case Already watched)  The user at the movie page (with use-case Favorites/Not interested) |
| Post-conditions | The user had a list of Favorites/Not interested movies |

### Use-case: Contact and Help Center/ Feedback

|  |  |
| --- | --- |
| Use case Name | Feedback |
| Brief description | Allow users to send feedback or contact help center |
| Actors | User |
| Basic Flow | 1. On the homepage or movie page, find and click to “Help & Feedback” button. 2. The user writes feedback about he/she experience. 3. Press Enter to submit he/she feedback. |
| Alternative Flows | **Alternative flow 1:** The user does not have an account   1. At #2 he/she need to enter his/her name, email, phone, .etc before submitting.   **Alternative flow 2:** The user already has an account   1. Just follow the main flow. |
| Pre-conditions | The user goes to the homepage at www.usflix.net |
| Post-conditions | The Customer Care Team can quickly contact the user to help and improve the user experience when using website services. |