
Group 03

**Movie Reviews And Ratings
Use-Case Specification**

Version <1.1>

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Use-Case Specification	Date: 27/11/2021
None	

Revision History

Date	Version	Description	Author
06/11/2021	1.0	Complete use-case model	Ngo Truong Tuyen
06/11/2021	1.0	Complete use-case: Edit user's profile, add movie review to favorite list, rate movie review, comment on review, upload review and trailer, view favorite list, view top movie ranking	Bui Huynh Trung Nam
07/11/2021	1.0	Complete use-cases: upload review and trailer, write/edit the movie review description.	Hoang Huu Giap
08/11/2021	1.0	Complete use-case: view movie reviews/trailers and view personal information	Nguyen Phan Vu
09/11/2021	1.0	Complete use-cases: delete a movie review, report to admin and view history activity.	Hoang Huu Giap
09/11/2021	1.0	Complete use-case: classify movie, delete user	Ngo Truong Tuyen
13/11/2021	1.0	Complete use-cases: login account, logout account, register account and searching movie's name.	Nguyen Tan Viet
15/11/2021	1.1	Revise use-case model: view/edit profile, search/list movie, view review	Bui Huynh Trung Nam
17/11/2021	1.1	Revise use-case model: report	Ngo Truong Tuyen
23/11/2021	1.1	Revise use-case: classify movie	Ngo Truong Tuyen
23/11/2021	1.1	Revise use-case: upload review, favorite list, edit review	Hoang Huu Giap
26/11/2021	1.1	Revise use-case: history	Nguyen Phan Vu
26/11/2021	1.1	Revise use-case model: register, login, view ranking	Nguyen Tan Viet

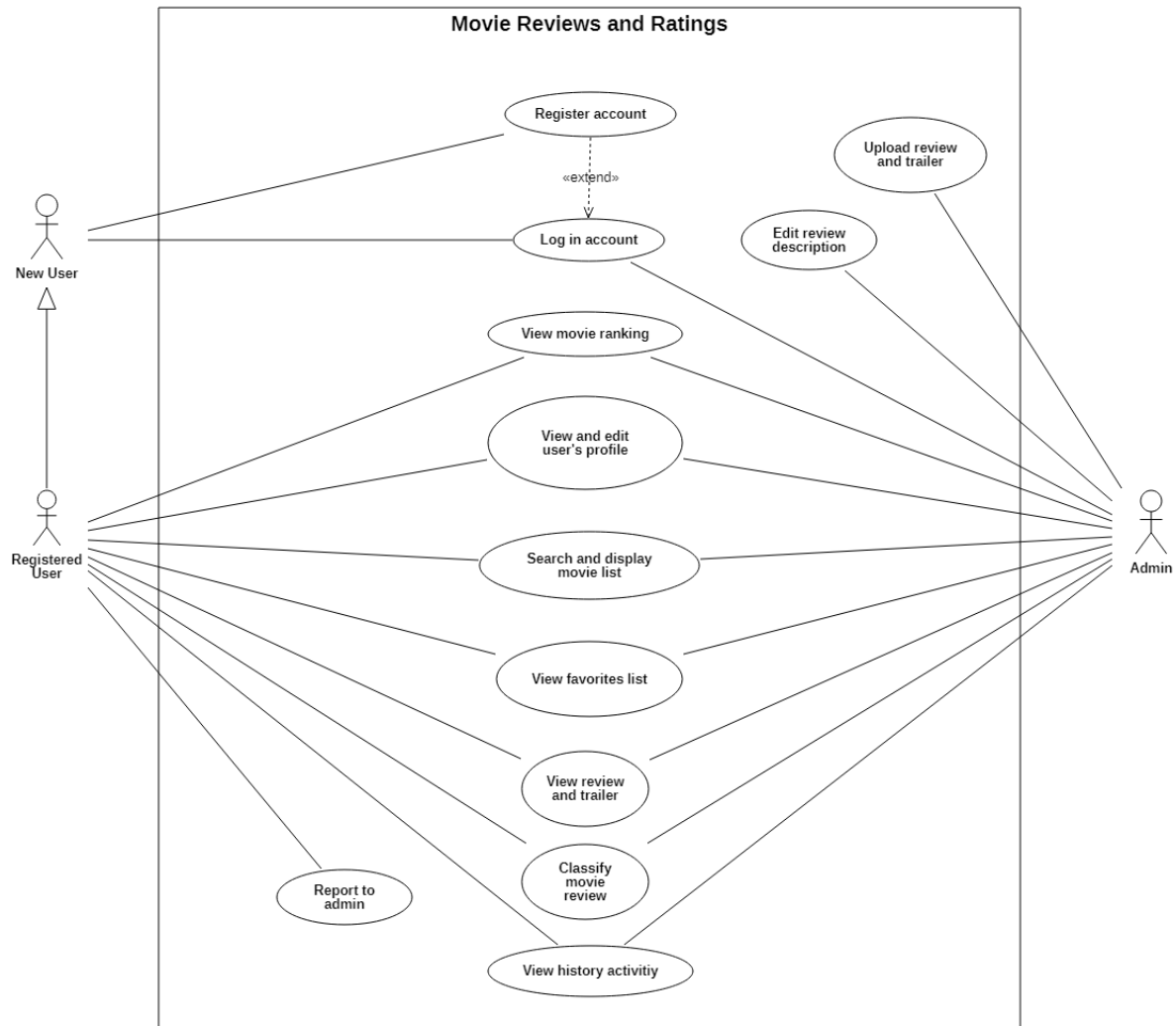
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1. Use-case Model



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2. Use-case Specifications

2.1 Use-case: Register account

Use case Name	Register account
Brief description	Register new account
Actors	Unauthenticated user
Basic Flow	<p>On the “Register account” page:</p> <ol style="list-style-type: none"> 1. Users must fill in all displayed personal information corrected (such as id, password account, full name, date of birth, gender, email, phone number) then submit. 2. After submitting, the system will check the validity of given information. If all are corrected, the system will send a code via email. Users need to check email then verify the code to finish the process. 3. The system will check if the entered code is correct, it will store data of the account in the database then send a successful message and display the login page.
Alternative Flows	<p>Alternative flow 1: Any information field is blank If users submit with any empty index (such as id, password account, full name, date of birth, gender, email, phone number), the system will send a message to notice and force users to fill it in order to submit again.</p> <p>Alternative flow 2: Id account or email address is already exist The system will access the database and search if the id account or email address already exist, it will send a message to notify and force users to re-enter them again</p> <p>Alternative flow 3: Any information form is not corrected After running the validity checking process, if any information is not in the corrected form(ex: phone number contains letters, date of birth is not valid), the system will send a message to notice that and force users to re-enter them again.</p> <p>Alternative flow 4: Users do not receive code via their email There will be a “Send code to email again” button for users if their code mail does not arrive.</p>
Pre-conditions	Enable for unauthenticated user only
Post-conditions	The system will send a confirmation email to the user to say welcome to be a website member.

2.2 Use-case: Log in account

Use case Name	Log in account
Brief description	Log in to account to get access to system (Web)
Actors	User or admin
Basic Flow	<p>On the login page:</p> <ol style="list-style-type: none"> 1. Users must fill in the id and password account then press the “Enter” button to submit

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	2. The system will check if the id and password are corrected, your browser will redirect to homepage
Alternative Flows	<p>Alternative flow 1: User enter wrong account If the account does not exist or has a wrong password, the system will send a message to notify users to re-enter.</p> <p>Alternative flow 2: User submit blank id or password account The system will send a message to notify users to re-enter.</p>
Pre-conditions	User must be on the login page or access through specific link
Post-conditions	Successful login to account
Extension point	<ol style="list-style-type: none"> 1. User can register new account via “Register new one” button 2. On this page, users can go to the “Forgot password” page if they could not remember their account.

2.3 Use-case: View movie ranking

Use case Name	View movie ranking
Brief description	View movie ranking sort by week, month, year
Actors	User, admin
Basic Flow	<p>On the “home” page:</p> <ol style="list-style-type: none"> 1. At center of page, user will see a list of hot movie in this month 2. Scroll down and click on any movie to see review
Alternative Flows	<p>Alternative flow 1: if list do not have any movie that user want</p> <ol style="list-style-type: none"> 1. Using search bar or classify on homepage to find other movie
Pre-conditions	User must be in homepage (enable for all users)
Post-conditions	User successes in having a movie ranking list
Extension point	<ol style="list-style-type: none"> 1. Users can search movies via the search bar (Use-case 5 below) 2. Users can access their profile via a button at the header. The system will display a “profile” page which contains their personal information. 3. Users can access menu with many features such as classifying 4. User can write report to admin when clicking on “report” button

2.4 Use-case: View and edit user’s profile

Use case Name	View and edit user’s profile
Brief description	View details of current account
Actors	User
Basic Flow	<ol style="list-style-type: none"> 1. On the profile page, user can see all information of the account 2. Scroll down to the end to view all information and also favorite movie list
Alternative Flows	<p>Alternative flow 1: User doesn't see any thumbnails or icon profile at homepage</p> <ol style="list-style-type: none"> 1. User must make sure that they already logged in
Pre-conditions	User must login with account and have the link to the personal information page

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	(or access through homepage)
Post-conditions	Successful access and view to personal information page
Extension point	<ol style="list-style-type: none"> On the user's profile: <ul style="list-style-type: none"> Users can edit their profile by click on button beside each field information User can click on any movie in favorite list to access the review page for this film

2.5 Use-case : Search and display movie list

Use case Name	Search and display movie list
Brief description	Search movie by keyword into the search bar and after the result, movie list or movie review, will be shown.
Actors	User or admin
Basic Flow	<ol style="list-style-type: none"> On the homepage, users can see the search bar. Click on the search bar and then type the movie review's name which they want to see. After the search icon or enter key is pressed, the move list will be shown.
Alternative Flows	Alternative flow 1: No matching results found <ol style="list-style-type: none"> Server will try to send back movies with the slightly same name. User can re-enter other keyword, beginning at step #1 in basic flow
Pre-conditions	User must be website and on any page which has search bar (enable for all user)
Post-conditions	User successes in having a list which is found by keyword

2.6 Use-case: View review and trailer

Use case Name	View review and trailer
Brief description	See details review or trailer of a specific movie
Actors	Admin and user
Basic Flow	<ol style="list-style-type: none"> On review page, user can see content of review Scroll down to view all review paper At the end of page will have a short trailer, user can watch it to have overview
Alternative Flows	Alternative flow 1: If another movie has same name with movie that user want <ol style="list-style-type: none"> Try to find again by search or list ranking movie Alternative flow 2: Movie review does not show <ol style="list-style-type: none"> It occur when movie review maybe delete from website Find another movie review having same classification
Pre-conditions	User must be in website, enable for all user (log in or not)
Post-conditions	Successful access to get a specific movie review
Extension point	<ol style="list-style-type: none"> When user scroll down to the end of review page (for logged account): <ul style="list-style-type: none"> User can comment at the comment range User can rates for the movie (1-5 start)

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	<ul style="list-style-type: none"> User can add the movie into favorite list by the button
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2.7 Use-case: Upload review and trailer

Use case Name	Upload review and trailer
Brief description	Admin accounts can upload a new movie review and its trailer to the system.
Actors	Only admin
Basic Flow	<ol style="list-style-type: none"> On the upload page, the admin must add some important information like: movie name, movie overview, movie description, director, genre and some unnecessary information like movie duration, link to the trailer, year of production... Click on the “Submit” button to finish this action. System will add new movie reviews to the database and show a successful message dialog to let the admin know.
Alternative Flows	<p>Alternative flow 1: Admin forgets to input some information about movie reviews.</p> <ol style="list-style-type: none"> Admin forgets to input some important information like movie name, movie description, movie genre... Admin can’t click to the “submit” button. Admin needs input from all important fields to submit this action. <p>Alternative flow 2: Admin upload movie/ trailer unsuccessfully</p> <ol style="list-style-type: none"> From #4 of the basic flow, the admin should wait for minutes because the system needs time to add a new movie to the database. After a few minutes, it’s still loading. Admin can refresh a page and start from step #3. <p>Alternative flow 3: If the movie has already had on web</p> <ol style="list-style-type: none"> Admin will have 2 options: the first is delete old movie and use this new movie review. The second option is to update all information of old movie with this new information.
Pre-conditions	Enable for only administrator accounts.
Post-conditions	<ol style="list-style-type: none"> After finishing all conditions, the system will upload this new movie review to the realtime database (Firebase) and show it on the website. One dialog message will show the admin that this action is successful.
Extension point	<ol style="list-style-type: none"> On this page, admin can click to the “User management” in the left-side menu to go to the user management page: <ul style="list-style-type: none"> Admin can view all information of user (profile) Admin can also delete or warning users if these account are not in normal state If admin has any wonder, admin can click to the Help button to read the instructions.

2.8 Use-case: Edit review description

Use case Name	Edit review description
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Brief description	Admin accounts can edit all information about movie reviews.
Actors	Only admin
Basic Flow	<ol style="list-style-type: none"> 1. On the review page, the admin can click the edit button to start editing movie review information. 2. These buttons are only visible to admin accounts. 3. Admin can edit any field of the movie review like movie name, movie overview, link of movie trailer.... 4. After completion, the admin clicks the “Confirm” button to finish editing. 5. The system will update new information and show a successful dialog to the admin.
Alternative Flows	<p>Alternative flow 1: Admin delete fields but forget to re-input these fields.</p> <ol style="list-style-type: none"> 1. Admin can't click to the “Confirm” button. 2. Admin needs input information of these fields to submit this action. <p>Alternative flow 2: Admin refresh page before confirming editing.</p> <ol style="list-style-type: none"> 1. After finishing editing, the admin needs to click the “Confirm” button to update these changes. 2. If the admin forgets to click the “Confirm” button, changes will not be applied. 3. Admin needs to edit again.
Pre-conditions	Enable for only administrator accounts.
Post-conditions	<ol style="list-style-type: none"> 1. After finishing all conditions, the system will update new changes to the realtime database (Firestore) and show it on the website. 2. One dialog message will show the admin that this action is successful.

2.9 Use-case: View favorite list

Use case Name	View favorite list
Brief description	All authenticated users can see their favorite list. This list includes all the movie reviews they have added before.
Actors	Registered users and admin.
Basic Flow	<ol style="list-style-type: none"> 1. On the profile page, users need to click “favorite list” in the menu bar. 2. System will read all the favorite films of this user in the database and show it to the screen.
Alternative Flows	<p>Alternative flow 1: Users can't see the favorite list option</p> <ol style="list-style-type: none"> 1. Users need to go to the profile page to see the “favorite list” option. <p>Alternative flow 2: Users can't see any film in the list</p> <ol style="list-style-type: none"> 1. If users have a new account or they haven't added any movie to this list yet. The list will be empty. 2. If users have added some movie reviews before, they can reload the page again.
Pre-conditions	Enable for all authenticated users.
Post-conditions	<ol style="list-style-type: none"> 1. The list of favorite movie reviews will be shown to the user.

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2.10 Use-case: Classify movie review

Use case Name	Classify movie review
Brief description	All movie reviews will be classified by category or nation
Actors	Admin, user logged account
Basic Flow	<ol style="list-style-type: none"> 1. On the homepage, users need to click “classify” in the menu bar and then some options, such as attributes, will be shown. 2. System will read all the favorite films of this user in the database and show it to the screen.
Alternative Flows	Alternative flow 1: The movie reviews do not classify <ol style="list-style-type: none"> 3. Users can try to do this again but choose the other attributes. 4. Users can reload the page and do this again.
Pre-conditions	Users are in website (enable for all users)
Post-conditions	The movie reviews list will be shown.

2.11 Use-case: View history activity

Use case Name	View history activity
Brief description	Registered users can see their history activities.
Actors	Registered users (logged users) and admin.
Basic Flow	<ol style="list-style-type: none"> 1. One history page, user can see activities of this account 2. Each activity has time, date 3. Scroll down to see all history
Alternative Flows	Alternative flow 1: User can't see history <ol style="list-style-type: none"> 1. Make sure you are logged into your account
Pre-conditions	This user must login to the website. (registered user or admin).
Post-conditions	The user will see a list of this account's past activities.

2.12 Use-case: Report to admin

Use case Name	Report to admin
Brief description	During using our website, if users have any problem, they can report (send message) to the admin in order to have the solution as soon as possible
Actors	Registered users
Basic Flow	<ol style="list-style-type: none"> 1. On the report to admin page, user must input some important information 2. User must input the problem description 3. User must input the time they have that problem 4. And some screen picture if needed 5. After finishing, users need to click the “Submit” button to finish the action.
Alternative Flows	Alternative flow 1: The message can't be sent after submit <ol style="list-style-type: none"> 1. Users need to check all important field input or not. 2. Wait a few seconds and submit again. Alternative flow 2: The users can't see the admin report page

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	<ol style="list-style-type: none"> 1. Users need to login 2. If not, login with an account and write a report.
Pre-conditions	Enable for all authenticated users
Post-conditions	The report to the admin page will show up and users can send the problem to the admin in order to have the solution as soon as possible.