Lê Võ Thanh Duy ITITIU15030

Lưu Minh Quân ITITIU15033

Đặng Quốc Cường ITITIU15005

**Web Application Development Document 2**

1. **Introduction**

Nowadays, movie and TV series are essential and irreplaceable parts of the people’s everyday entertainment. With the rapid development of the entertainment industry, there are various ways of watching movie and TV series. One of the fastest developing methods is video streaming with plenty of services such as Netflix, Amazon Prime, phimmoi and so on. But the problem is that some charge a very high subscription fee, some don’t but are embedded with annoying ads. With this in mind, we have decided to develop our own movie streaming service which is free, fast and convenient for users.

1. Usecase diagram and its description

**Name: Search Movies**

Inputs:

* Movie name

Outputs:

* A page with the movies with name most similar to the searches
* A page that shows fail search (no result)

Precondition:

* None

Basic course:

|  |  |
| --- | --- |
| Actors: Registered user, admin, guest | System |
| 1. Enter name and chooses category |  |
| 1. Submit | * 1. Check database for user’s searches   2. If found, return all results for the result page   3. If not, return a page with fail result |

Post condition:

* None

**Name: Register**

Inputs:

* Username
* Password
* Email
* Date of birth

Outputs:

* A page with that shows successful user registration
* The register page again to ask for correct input if fail

Precondition:

* None

Basic course

|  |  |
| --- | --- |
| Actors: guest | System |
| 1. Request register page | 1.1 Show page |
| 1. Fill information |  |
| 1. Submit | * 1. Check if the information is suitable   2. If success return success page   3. If fail return register page again with added information |

Postcondition:

* Database has been uploaded.

**Name: Log in**

Inputs:

1. User Name
2. Password

Outputs:

1. The home page with user’s authentication [if success]
2. The login page [if fail]

Basic Course

|  |  |
| --- | --- |
| Actor: User(User/ Administrator) | System |
| 1. Open the login page | * 1. Display the login page |
| 1. Enter user name and password |  |
| 1. Submit | * 1. Check user’s info.   2. If success, return the home page   3. If fail, the login page returns |

Precondition

1. User has an account which was registered before

Post condition: None

**Name: Log out**

Outputs:

* + - 1. The home page without authentication

Basic Course

|  |  |
| --- | --- |
| Actor: User(User/ Administrator) | System |
| * + - 1. Click logout | * 1. Return home page |

Precondition

1. User is in home page with their authentication

Post condition: None

**Name: Rate a movie**

Input:

1. Number of star from 1(worst) to 5(best) by clicking star in vote section

Output:

1. New voting instance based on (movie, user) in database
2. New order of trendy movie in home page

Basic course:

|  |  |
| --- | --- |
| Actor: User(User) | System |
| 1. Choose the movie | * 1. Display the page with movie details |
| 1. Click the play button | * 1. Count the time user is watching the movie |
| 1. Choose number of star | * 1. If the time is greater than a third of movie duration, enable vote section   2. Otherwise, disable vote section |
|  | 4.1. Update the voting instance in database |

Precondition:

1. User has an account which was registered before

Post condition: None

**Name: View Movie List**

Input: Movie category

Output: The movie list

Basic Course:

|  |  |
| --- | --- |
| Actor: Registered and Unregistered User | System: |
| 1. Click one specific Category | 1.1 Display movies (title and image) in the same Category |

Alternate Course A:

|  |  |
| --- | --- |
| Actor: Registered and Unregistered User | System: |
| 1. Click one category in Movie’s Category | 1.1 Display movies (title and image) in the same Category |

Preconditions:

1. User are viewing movie information

Post conditions:

1. None

Name: View Movie Detail