



CSE470 REPORT

Group ID: Sec6-Grp4

Section: 06

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BRIEF INTRODUCTION:

Many people like to watch movies, whether it's old or new movie distribution. The goal of our application is to provide you with the personalized movie ratings and reviews based on your taste.

Even though, there are various sites on which all the information about the films is collected. But we do not always have the opportunity to find them to get the necessary data. Our application would give you the platform where the people who have already watched specific films are the ones who write the honest reviews. With their help, you can decide whether you really want to watch the desired movie.

USAGE SCENERIO:

There will be two separate log in panels one for general users and one for administrative users. Admins would have to register first with their email and password. And then they can upload authentic information about different movies. So the database will have a sophisticated collection of all the movies from 1990s to the latest movie releases. The movies would be categorized based on different genres like romantic, funny, fiction non-fiction, marvel and etc. So this will make the searching process easier for all users. General Users will also have to log in with their email and password. Their key role would be to post their honest reviews about the movies they have watched so that will help other users to find if a movie is worth watching. Our application would also have a rating system so the users can also rate the movies based on their preferences. General users will also be given the authority to report any inappropriate reviews. Later, the admins would suspend the user account that have been reported for posting inappropriate reviews or comments. This would ensure the quality and correctness of our system.

Functional Requirements of our Project:

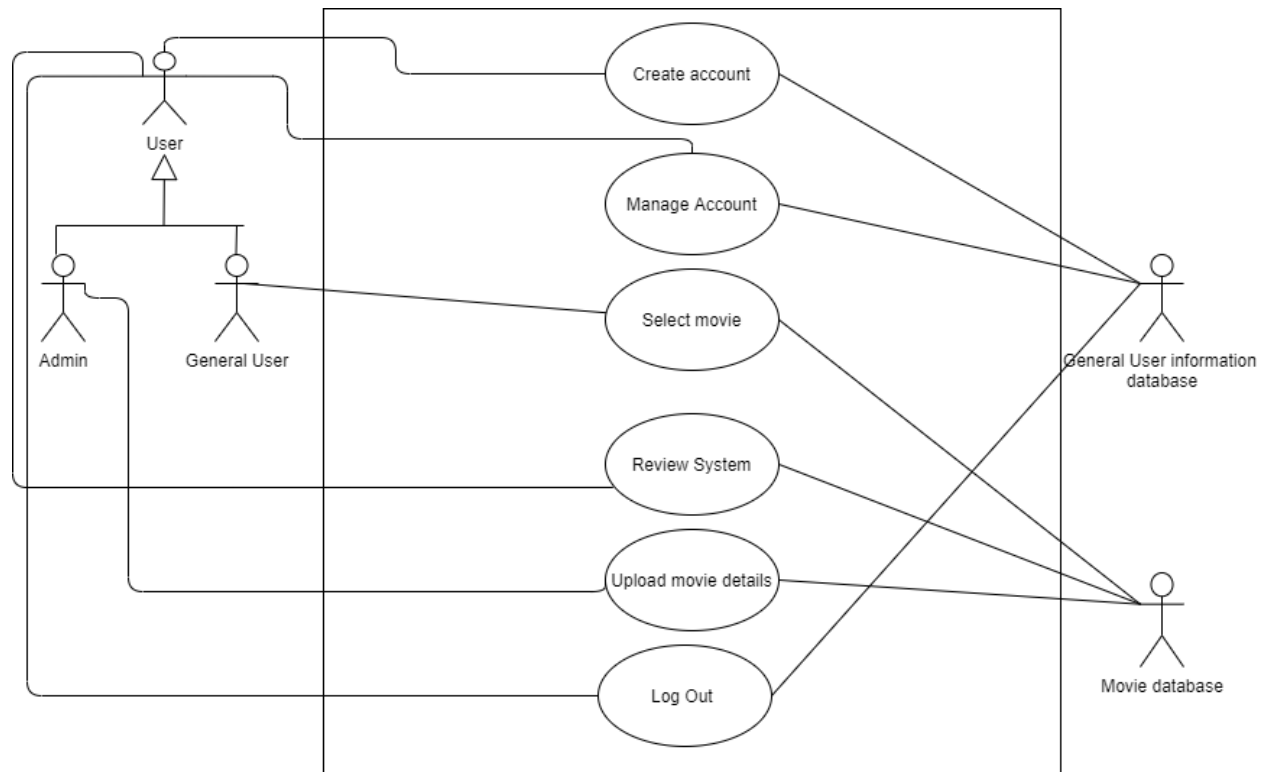
1. User can login as administrator or general user
2. General users can rate movies
3. Administrators can upload movie information
4. General users can post reviews
5. General users can upload profile pictures

6. General users can report inappropriate reviews
7. Administrators can suspend general user accounts
8. General users can search for movies
9. Two separate panels for user and admins
10. General users can filter movies based on genre

Non-Functional Requirements of our Project:

1. Database used will be Firebase Realtime Database.
2. For Login and Sign-up the users' email and password will be required.
3. At the moment data stored must not exceed 1 GB.
4. Movie info will be displayed within 3 seconds of being pressed.
5. For adding movies the system may need to be temporarily shut down.
6. The system can support up to 100 simultaneous connections to the database.
7. Can only be accessed through android system, not applicable for IOS or web browsers.
8. Without a google play store account a user or admin cannot sign up.
9. The code base can only be integrated using java language.
10. During the maintenance phase, general users will be redirected to a different page with a maintenance notification.

Use Case Diagrams and Scenario Report



Level 0: Movie recommender system

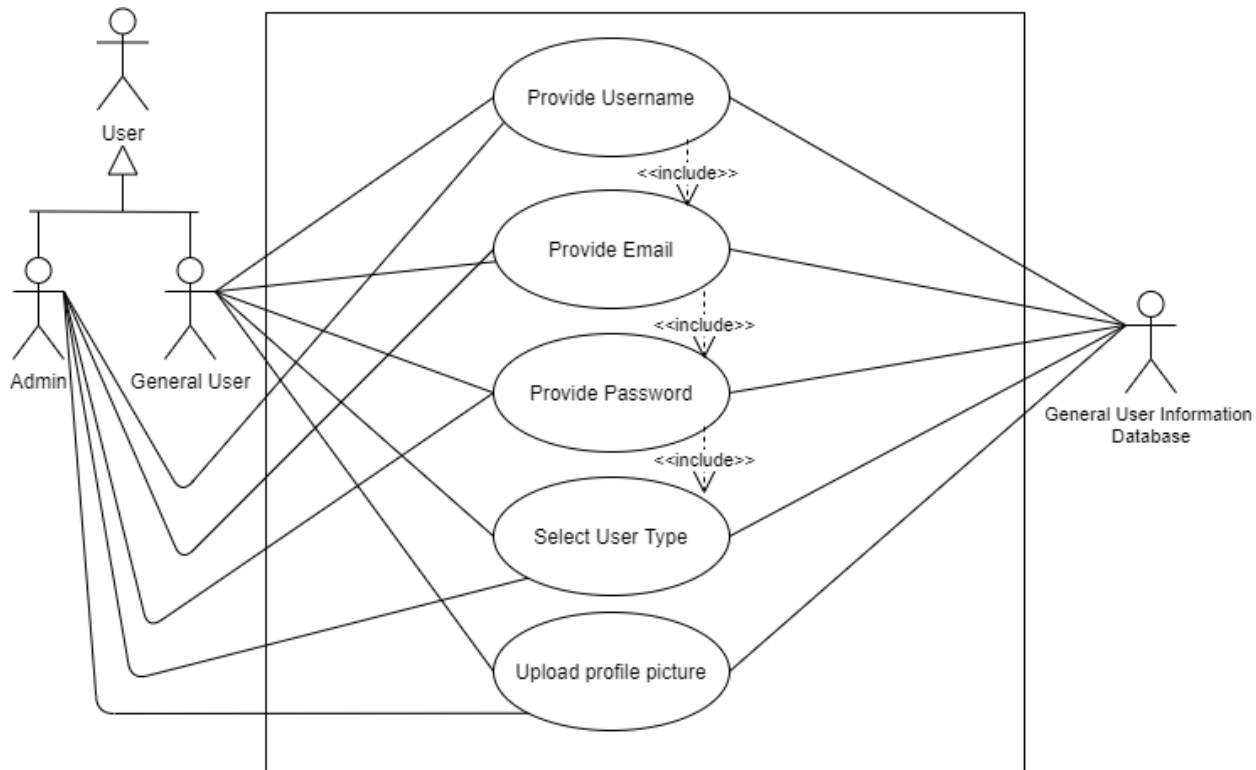
Use case Name: Movie Recommender System

Use case ID: 0

Primary Actor: User (General User, Admin)

Secondary Actor: General User Information Database, Movie Database

1) Create Account:



Level 1: Create Account

Use case Name: Create account

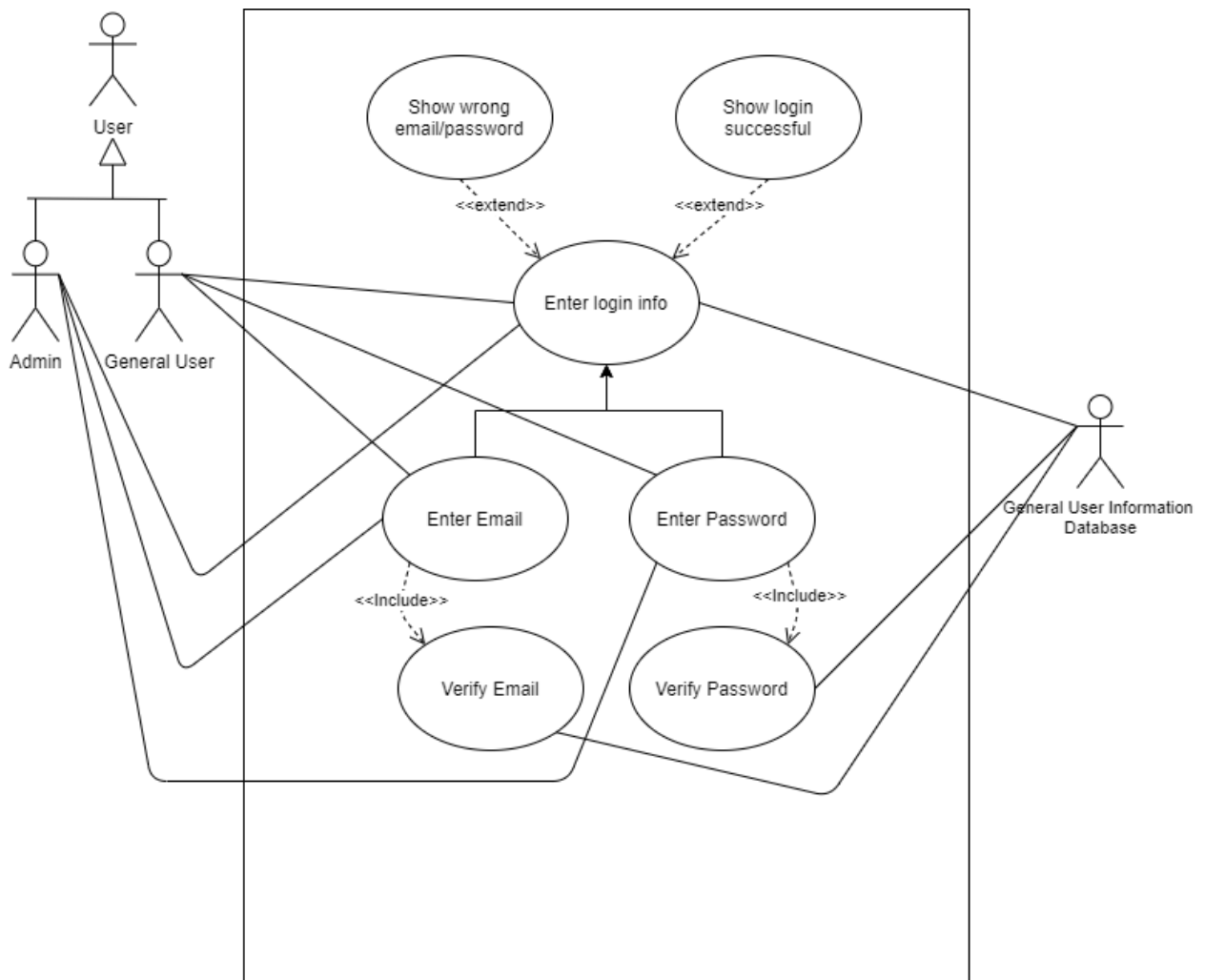
Use case ID: 1

Primary Actor: User(General user ,Admin)

Secondary Actor: General User Information Database

Scenario for level 1: General User and Admin can create account using their name, email ID, uploading their picture. They will also have to give input password and have choose define user type.

2) Login Account:



Level 2: Login Account

Use case Name: Login account

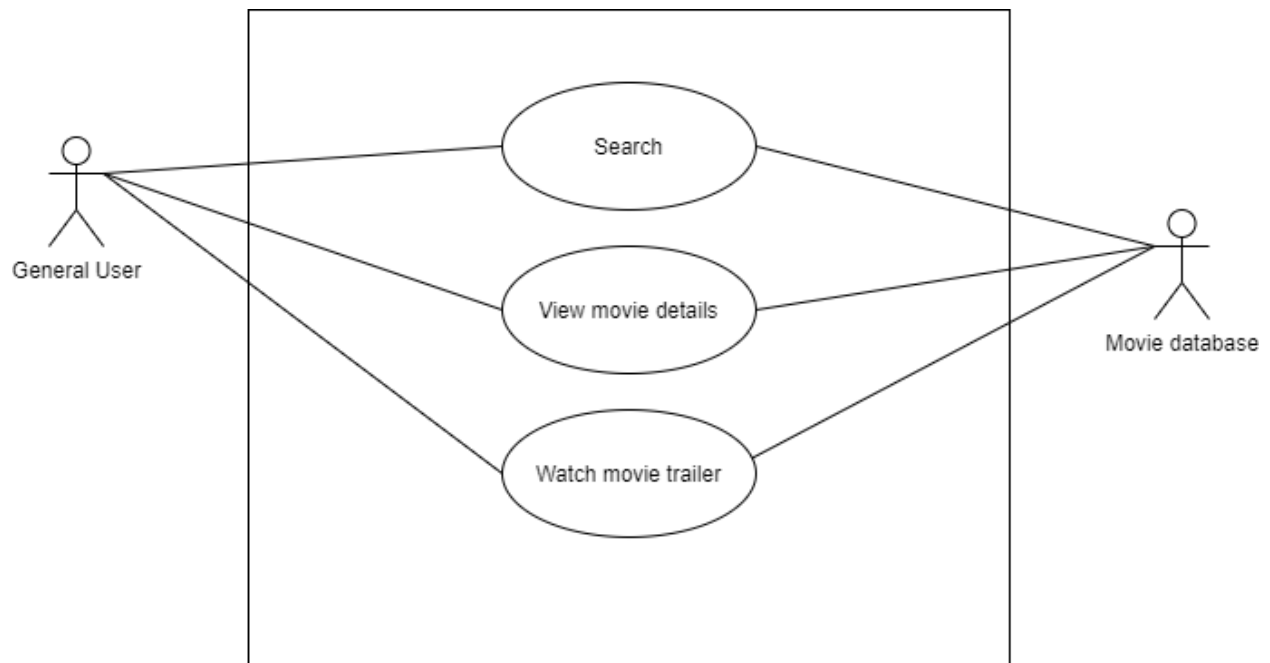
Use case ID: 2

Primary Actor: User(General User, Admin)

Secondary Actor: General User Information Database

Scenario for level2: Each user or admin has to login to their account by entering email and password, which is verified. If information entered is false a wrong username/password notification would be shown. Else login will be successful and user/admin will be taken to the home page.

3) Movie Selection:



Level 3: Movie Selection

Use case Name: Movie Selection

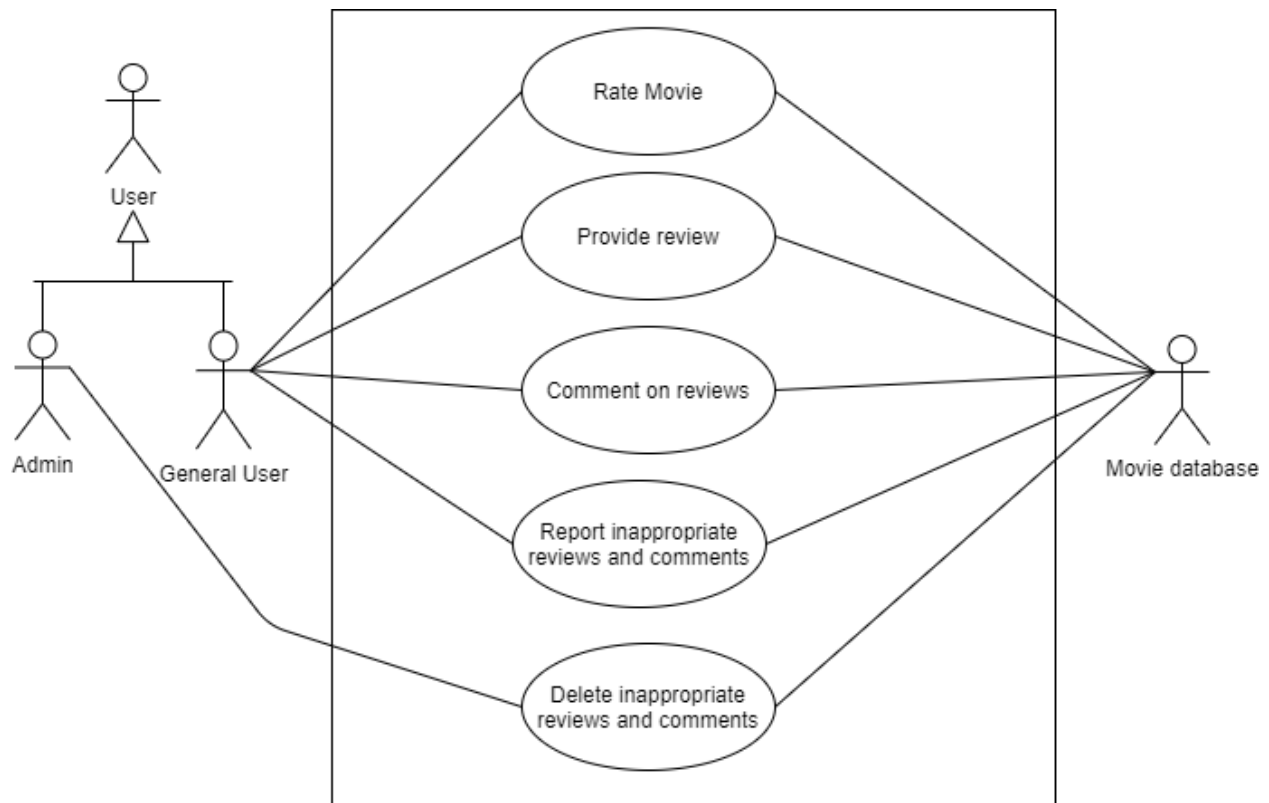
Use case ID: 3

Primary Actor: General User

Secondary Actor: Movie database

Scenario for level 2: Movie selection system lets Client search movies by genre and release year, they can also see movie details and movie reviews from Movie database and based on that client can select and watch their desire movie.

4) Review System:



Level 4: Review and Rating System

Use case Name: Review and Rating System

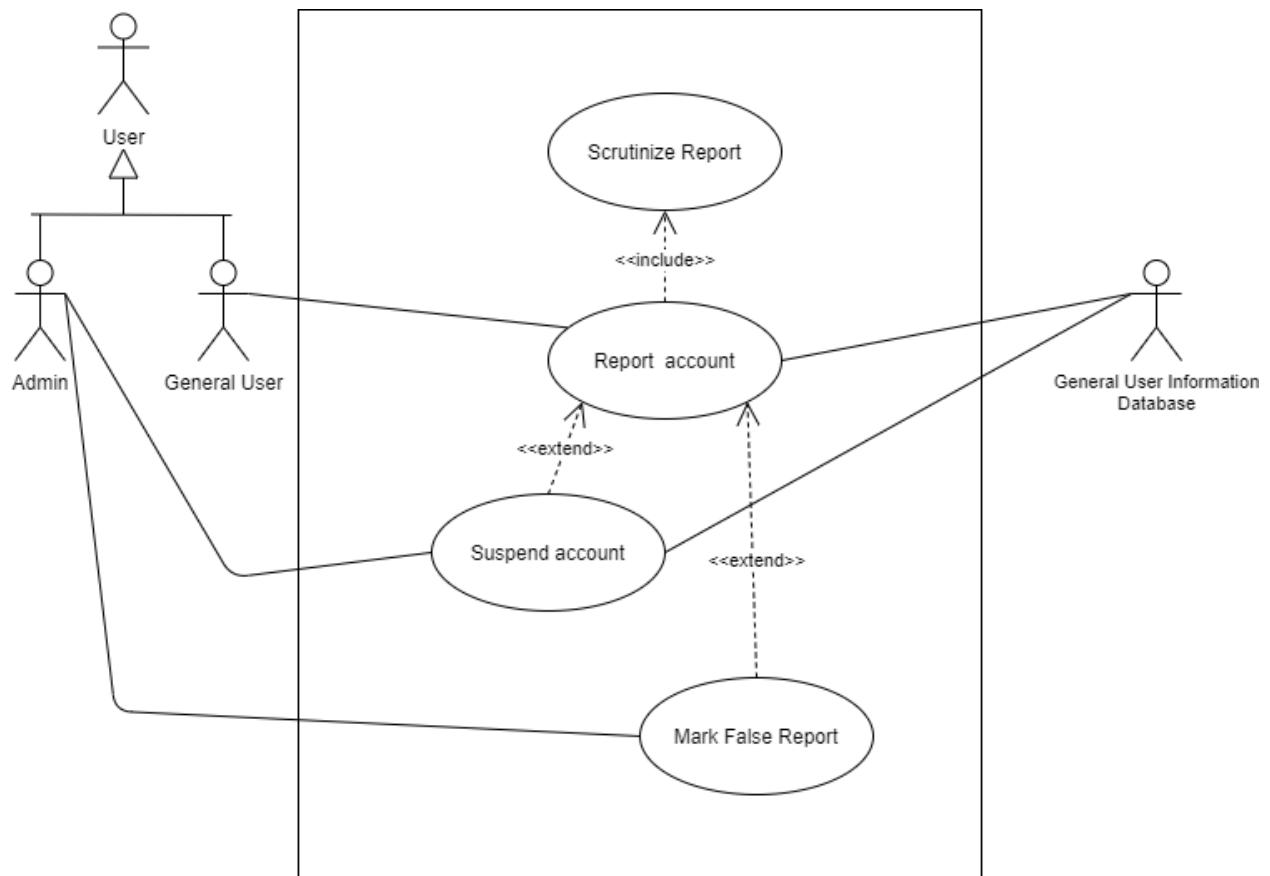
Use case ID: 4

Primary Actor: General User, Admin

Secondary Actor: Movie database

Scenario for level 4: General Users can rate movies and can also review them by comments. Client can also report any inappropriate comments. Admin can also delete any inappropriate comment.

5) Manage Accounts:



Level 5: Manage Accounts

Use case Name: Manage accounts

Use case ID: 5

Primary Actor: General User, Admin

Secondary Actor: A general user can report an account which will be monitored by an admin who can decide to suspend that account or mark it as a false report. A scrutinized report is generated after each report.

Class Diagram Report:

Potential Class Diagram:

Potential Class	General Classification	Characteristics
Admin	Roles	Accepted all applied
AppUser	Roles	Accepted all applied
Movies	Organizational Units	Accepted all applied
MovieDetails	Organizational Units	Accepted all applied

Table 1: Potential Class Identification

SPECIFYING ATTRIBUTES:

Admin =name+phoneNo
AppUser= name+phoneNo+bio
Movies= movielist+movielistid
MovieDetails=moviename+releasedate+moviesummary+movierating+userRev

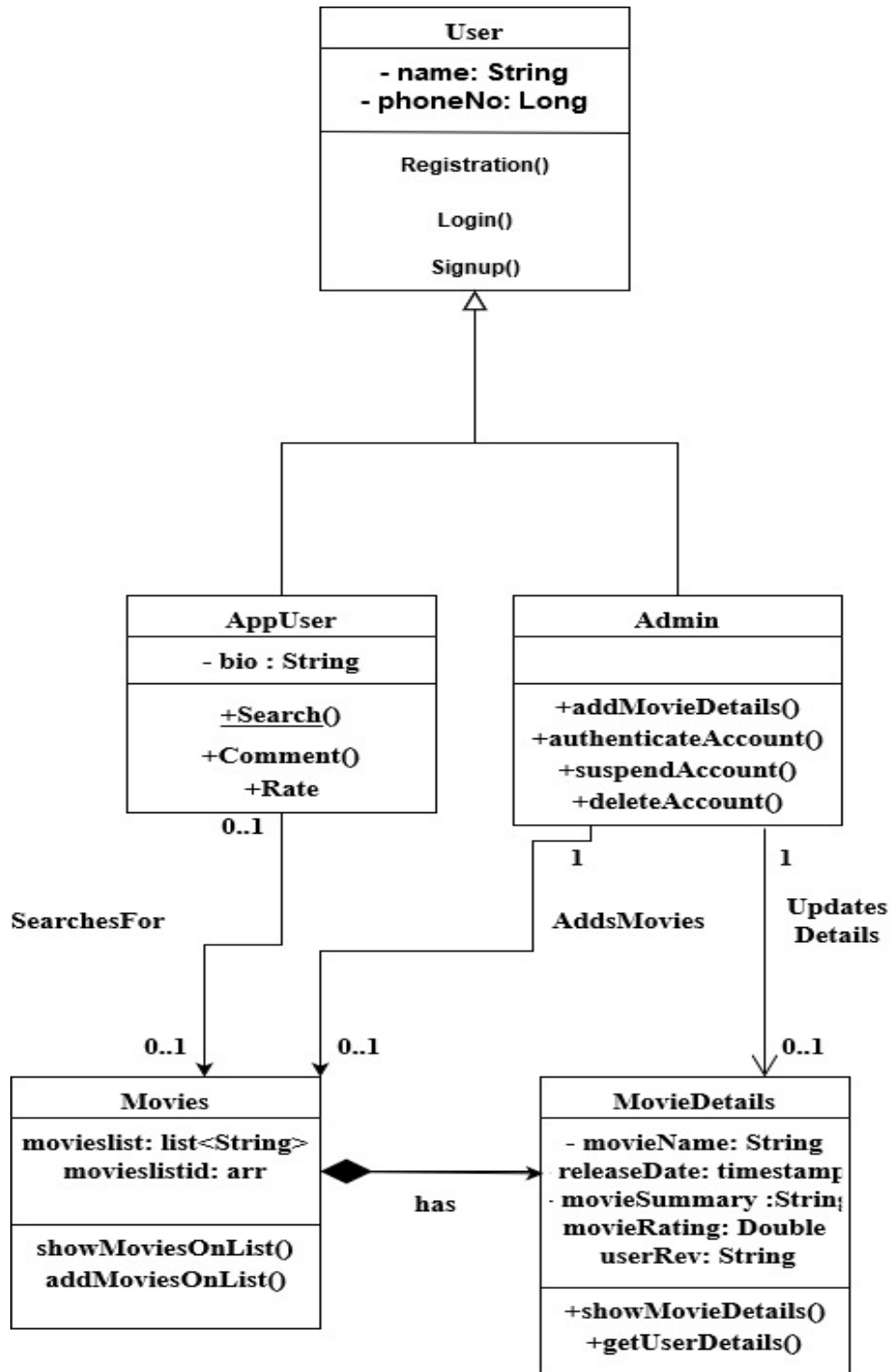
Table 2: SPECIFYING ATTRIBUTES:

DEFINING OPERATIONS:

Admin= addMovieDetails(),suspendAccount(),delAccount(),login(),signup()
AppUser= search(),comment(),rate(),login(),signup()
Movies= showMoviesOnList(),addMoviesOnList()
MovieDetails= showMovieDetails(),getUserDetails()
Login=checkifLoginfailed()
Signup= checkIfSignUpFilled(),checkIfAlreadyReg()

Table 3: DEFINING OPERATIONS:

Class Diagram:



Scenario:

This is a movie reviewer app where there will be two separate panels for an admin and a general user. The admin would first register himself then he would have to login every time with his registered account. An admin add/update movie details, authenticate, suspend and delete user account. On the other hand there will be app user who has to go through the same register and login functions. A general user can search for specific movies, view the basic information and the reviews, post their own reviews and rate the movies. The movies would be categorized based on different genres like romance, comedy, fictional, non-fictional, fantasy etc. which will make the searching process easier for all users. For this a Movie details class is maintained to show all of the aforementioned movie details and get user feedback.