Movie Listing and Rating Application

Use case document

Add New Movies

Use Case: Add New Movie

Brief Description: The admin adds new movies to the application.

Actors: Admin

Preconditions: The admin has to be logged into the system

Basic Flow:

1. The admin selects the "Add Movies" option.
2. The admin provides the necessary details such as id, title, release date, rating, genre, artist, language and add movie.
3. The system validates the input data.
4. The system stores the movie details in the application.

Alternate Flows: None

Post Conditions: The new movie is successfully added to the application.

View Existing Movie

Use Case: View Existing Movies in the application.

Brief Description: The admin can view the details of existing movies in the application.

• **Actors**: Admin

• **Preconditions**: The admin is logged into the system and there are existing movies in the application.

• **Basic Flow**:

1. The admin selects the "View Movie List" option.

2. The system retrieves and displays a list of all movies in the application.
3. The system presents the complete details of the selected movie, including ratings and reviews.

• **Alternate Flows**: None

• **Post Conditions**: The admin successfully views the complete details of the selected movie.

Update the Movie

Use Case: View Complete Details of Movie.

Brief Description: The admin can update the details of existing movies in the application.

Actors: Admin

• **Preconditions**: The admin logged into the system and there should be existing movies.

• **Basic Flow**:

1. The admin selects the "Update Movie" option.
2. The admin retrieves the details of the movie to be edited. The admin selects a specific movie to view complete details.
3. The admin modifies the necessary details such as id, title, release date, genre, artist, language.
4. The system updates the movie information in the application.

• **Alternate Flows**: None

• **Post Conditions**: The changes to the movie details are successfully saved in the application.

View Existing Movie

Use Case: View Existing Movies in the application.

Brief Description: The user can view the details of existing movies in the application.

• **Actors**: User

• **Preconditions**: The user should be logged into the system for viewing the list of movies.

• **Basic Flow**:

1. The user selects the "View Movie List" option.
2. The system retrieves and displays a list of movies in the application.
3. The system presents the complete details of the selected movie, including ratings and reviews.

• **Alternate Flows**: None

• **Post Conditions**: The user successfully views the complete details of the selected movie.

Search Movies

Use Case: Search Functionality

Brief Description: The user searches for specific movie by movie name or release date.
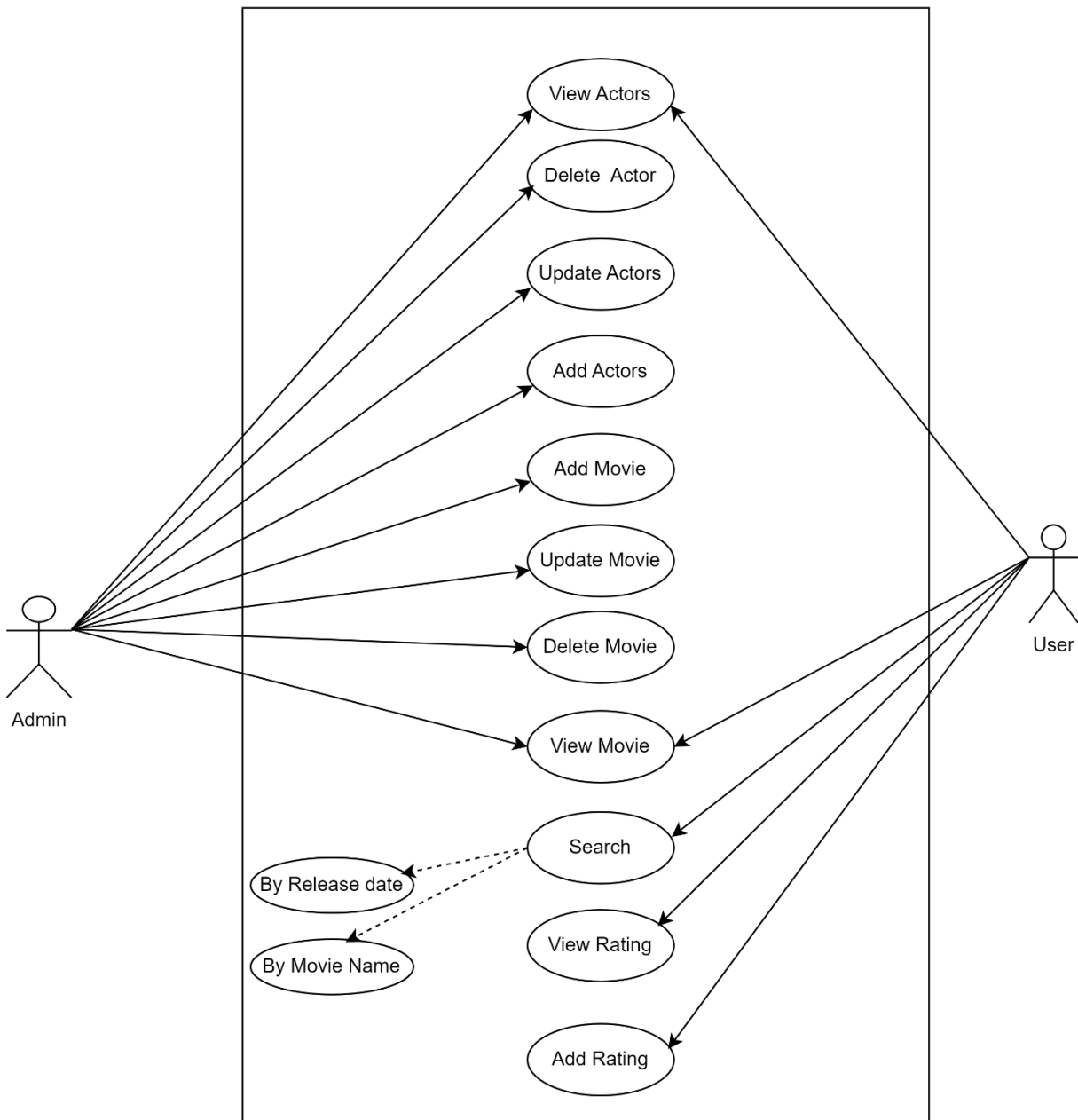
Actors: User.

• **Preconditions**: The user should be logged into their account .

• **Basic Flow**:

1. The user enters the search keywords or selects search filters (name, release date).
2. The system performs a search based on the provided keywords or filters.
3. The system retrieves and displays the search results, showing matching movies.

• **Alternate Flows**: None

• **Post Conditions**: The user successfully views the search results for the entered keywords or filters.
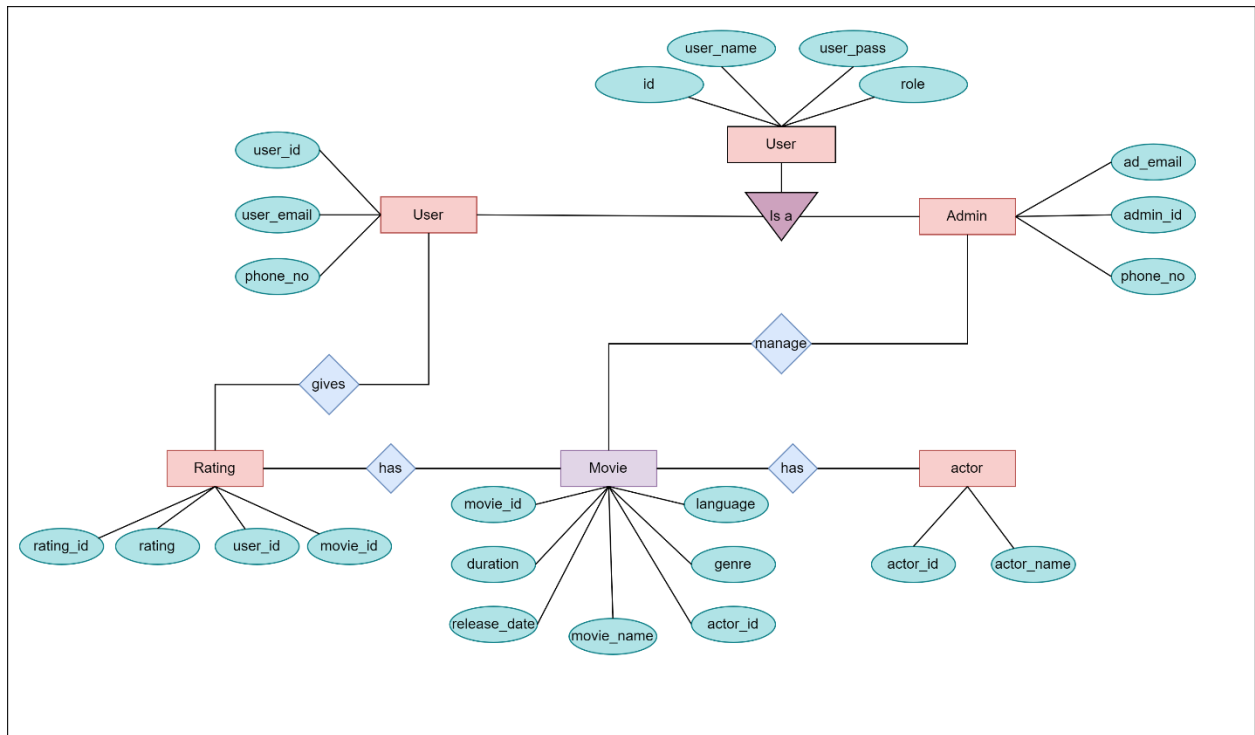
Rating and Review System

 Use Case: Add Rating and View Rating

• **Brief Description**: The user can add and view rating.

• **Actors**: User

• **Preconditions**: The user should be logged into their account for adding or viewing rating.

• **Basic Flow**:

       1. The user selects a movie to view and rate.
       2. The user provides a rating (e.g., 1-5 stars) for the selected movie.
       3. The user can view the previous ratings.
       4. The system stores the rating.

• **Alternate Flows**: None

•   **Post Conditions**: The user successfully view and rates the movie.
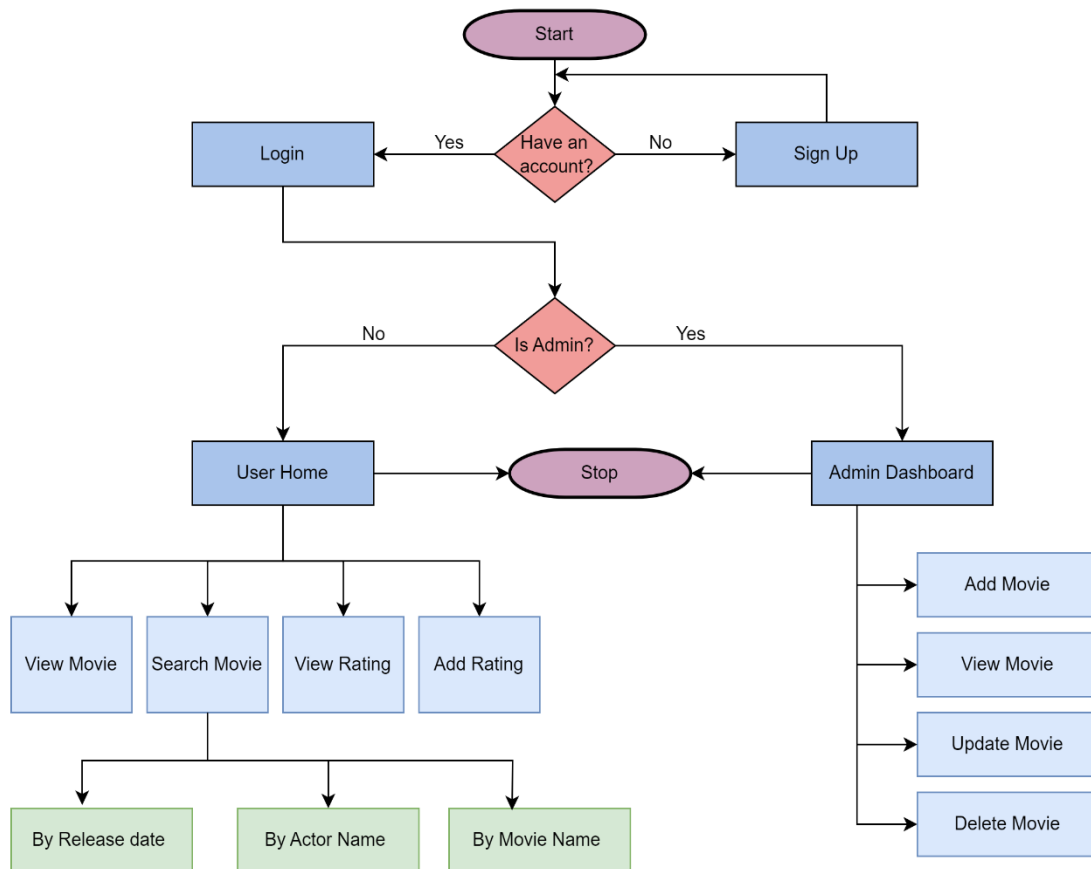
Movie Listing and Rating App (User Case Diagram)

Admin

View Actors

Delete Actor

Update Actors

Add Actors

Add Movie

Update Movie

Delete Movie

View Movie

Search

By Release date

By Movie Name

View Rating

Add Rating

User

Movie Listing and Rating App (Entity Relationship Diagram)

Movie Listing and Rating App (Project Structure)

```
                              ┌──────────┐
                              │  Start   │
                              └──────────┘
                                   │
         ┌──────────┐   Yes   ◇─────────◇   No    ┌──────────┐
         │  Login   │◄────────│ Have an │────────►│  Sign Up │
         └──────────┘         │ account?│         └──────────┘
              │               ◇─────────◇
              │
              ▼
                        ◇──────────◇
          No            │ Is Admin? │            Yes
    ┌─────────────────◄─│           │─►─────────────────┐
    │                   ◇──────────◇                    │
    ▼                                                    ▼
┌──────────┐         ┌──────────┐         ┌──────────────────┐
│ User Home│────────►│   Stop   │◄────────│ Admin Dashboard  │
└──────────┘         └──────────┘         └──────────────────┘
```
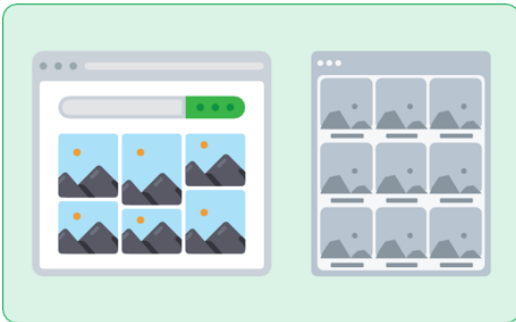
- Login
- Sign Up
- Have an account? — Yes / No
- Is Admin? — No / Yes
- User Home
- Stop
- Admin Dashboard

User Home:
- View Movie
- Search Movie
  - By Release date
  - By Actor Name
  - By Movie Name
- View Rating
- Add Rating

Admin Dashboard:
- Add Movie
- View Movie
- Update Movie
- Delete Movie

Movie Listing and Rating App (UI wire frame)

Login Page

Signup Page

Home Page

Admin Dashboard

Admin Login Page
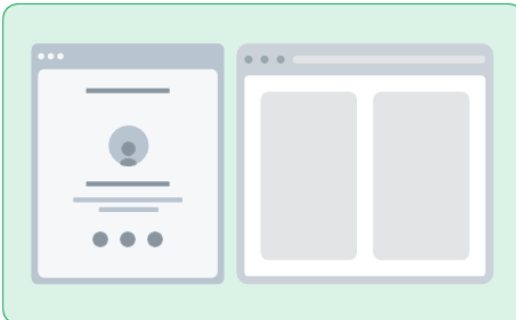
Add Movie Page
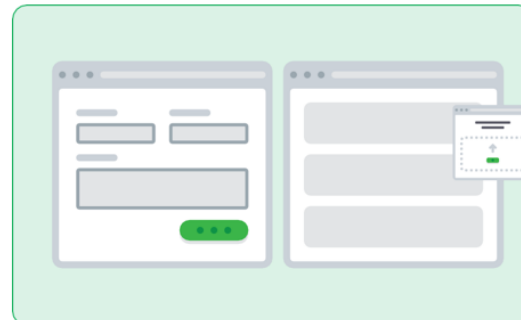
View Movie page
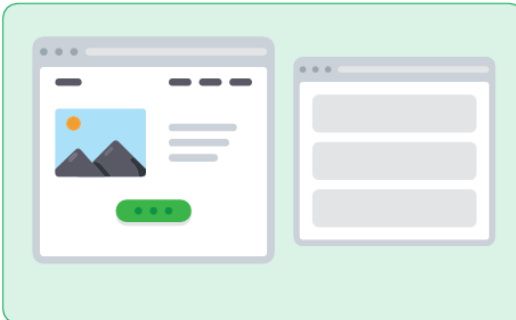
Delete Movie Page

Update Movie Page
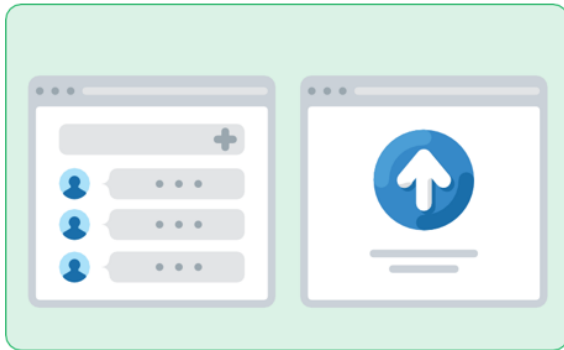
User Dashboard
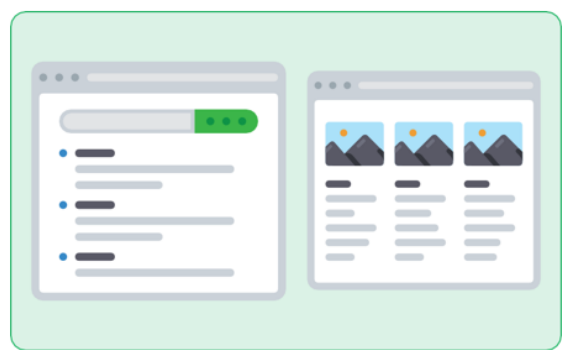
View Movie Page
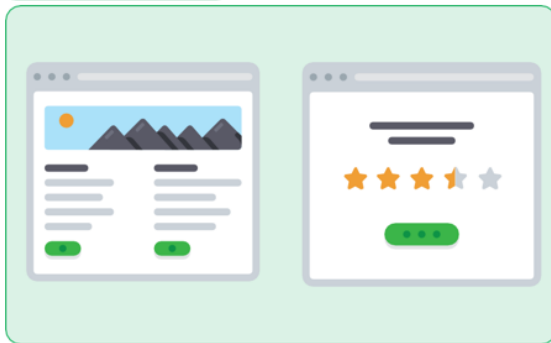
View Rating Page
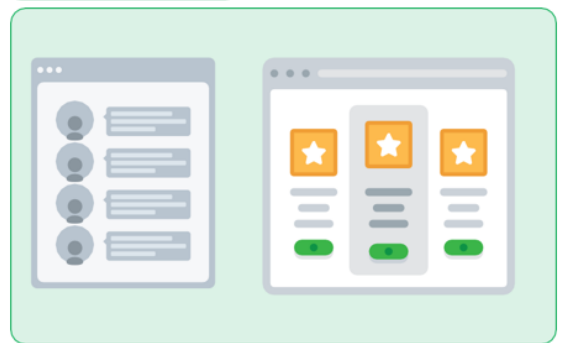
SearchPage

Add Rating Page