Technical Report

This technical report details the development of a web application for rating movies. The application allows users to rate and review movies. It is developed in Python using the Django framework for the frontend and PostgreSQL as the database management system.

Business Model

This is an application to rate, review and add films to watchlist. The project is going to consist in a film social media, intended to people who enjoy the art of films.

Stakeholders

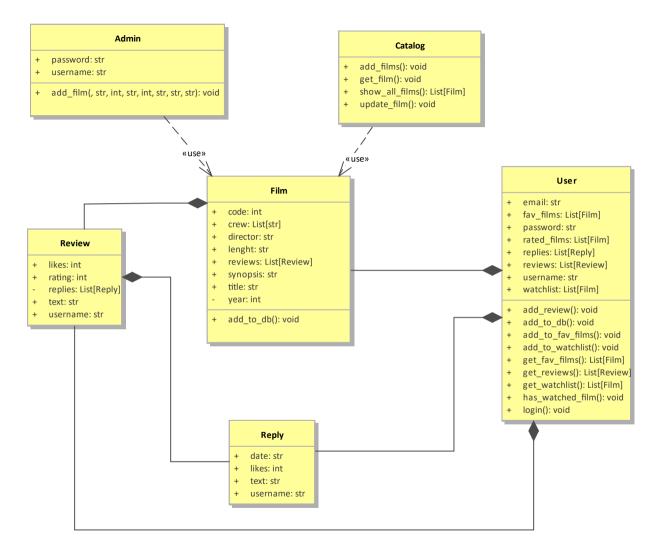
- Users: They are the final users of the platform, who contribute with reviews and rating of each film.
- Admin: They can add new films.
- Developers: People who are going to create, design and code the project.

Tools

The application is going to be created with phyton in the backend and for the frontend Django. The database tool is SQLAlchemy and PostgreSQL.

Initial Information

The application is going to be connected to a database where is stored all the info about the film, like cast, director, genre, length, among others. Likewise, there will be initialized some users to apply tests.



CRC Cards

User	
 Manage user's info like username and password. Mantain a list of films rated by the yser. Mantain a list of reviews written by the user. 	FilmRatingReview

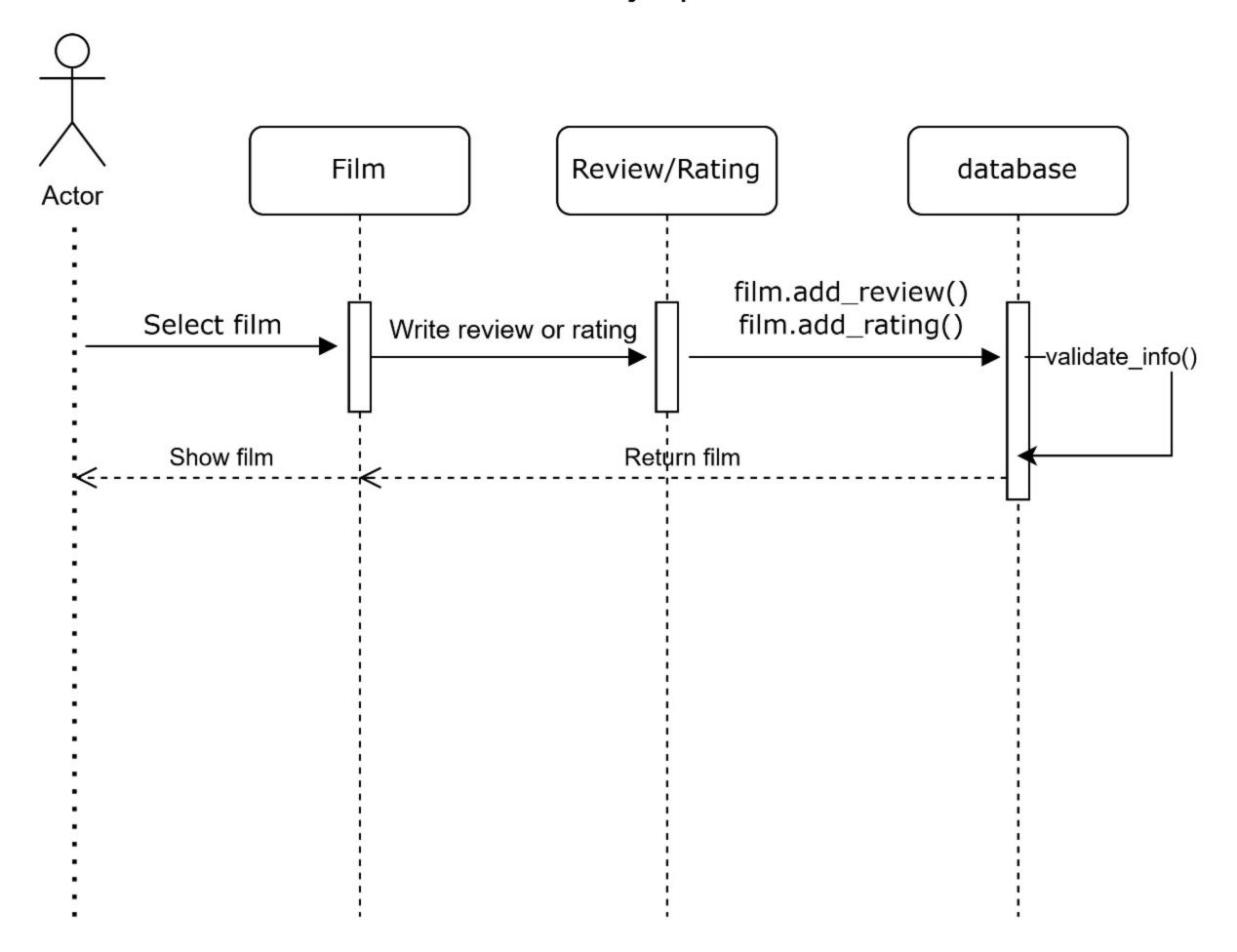
Film	
 Store info about a film like director, cast, genre. Mantain the global rating given the users. Mantain a list of reviews written by the users. 	UserRatingReview

Rating	
 Store the rating given by a user. Mantain the relation between film rated and the user that rated it. 	UserFilm

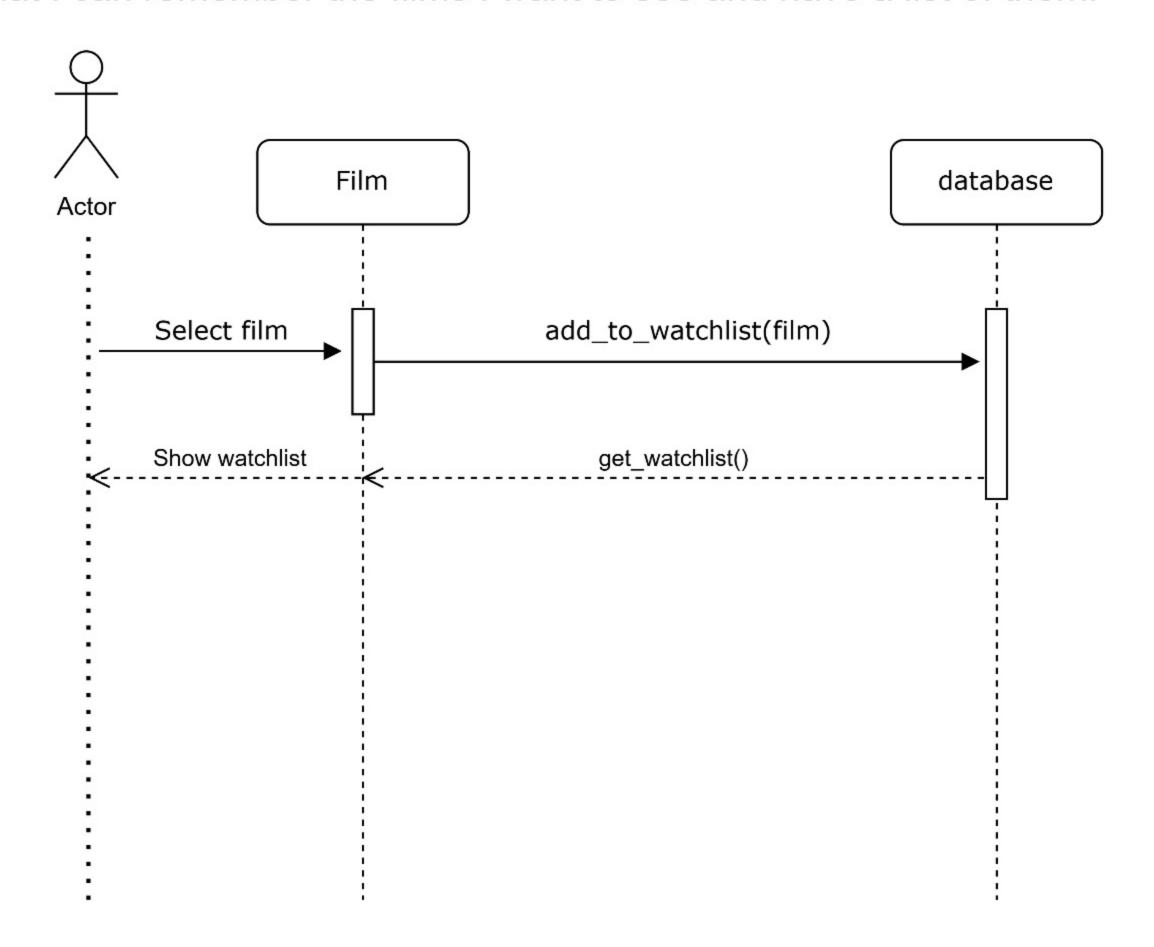
Review	
 Store the text of a review written by a user about a film. Mantain the relation between review and the film that was reviewed. 	UserFilm

Reply	
 Store the text of a reply of a user about a review. Mantain the relation between the reply and the review. 	UserReview

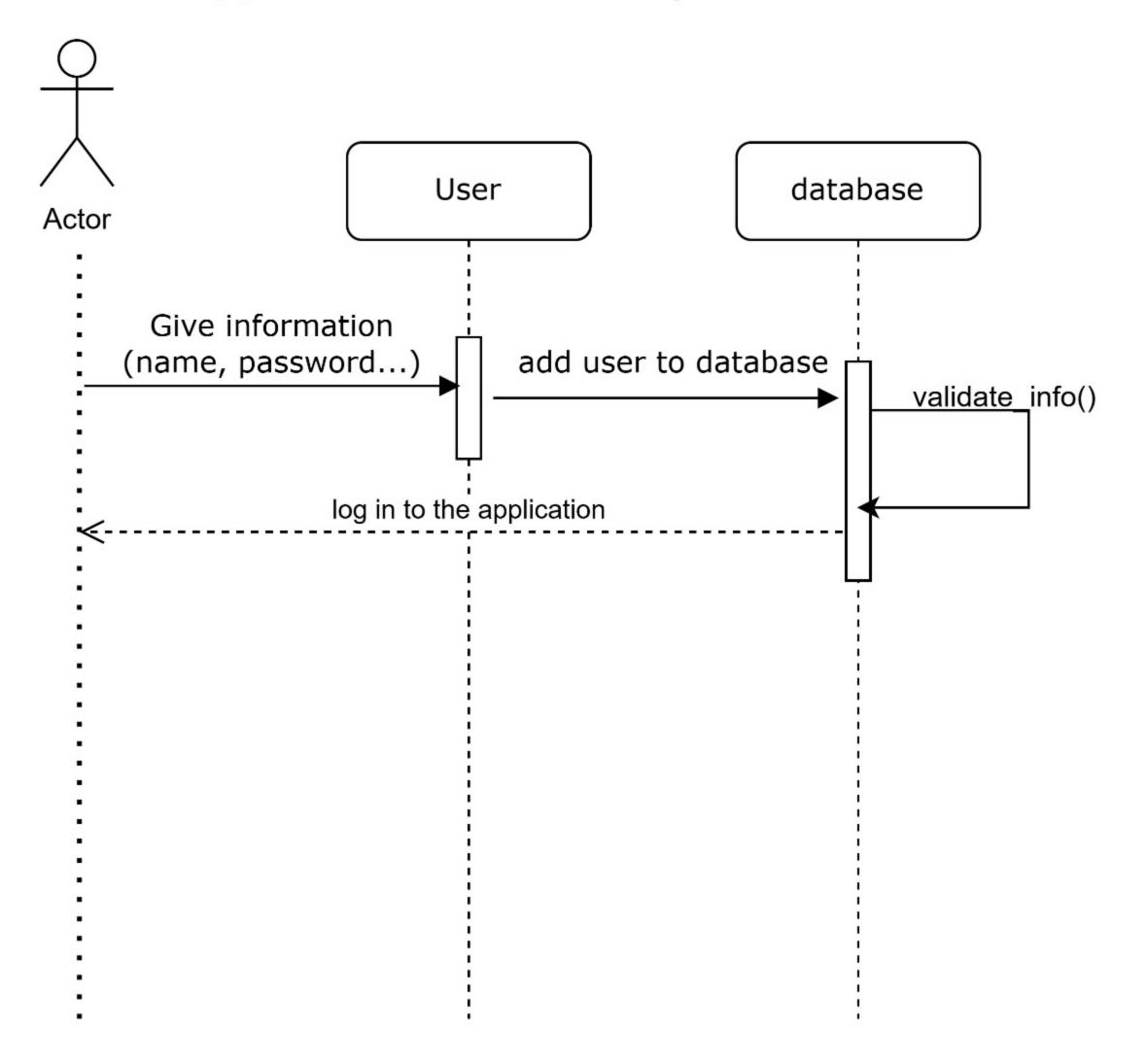
Sequence diagram: As a user I want to rate a film and write a review so that I can share my opinion about the film.



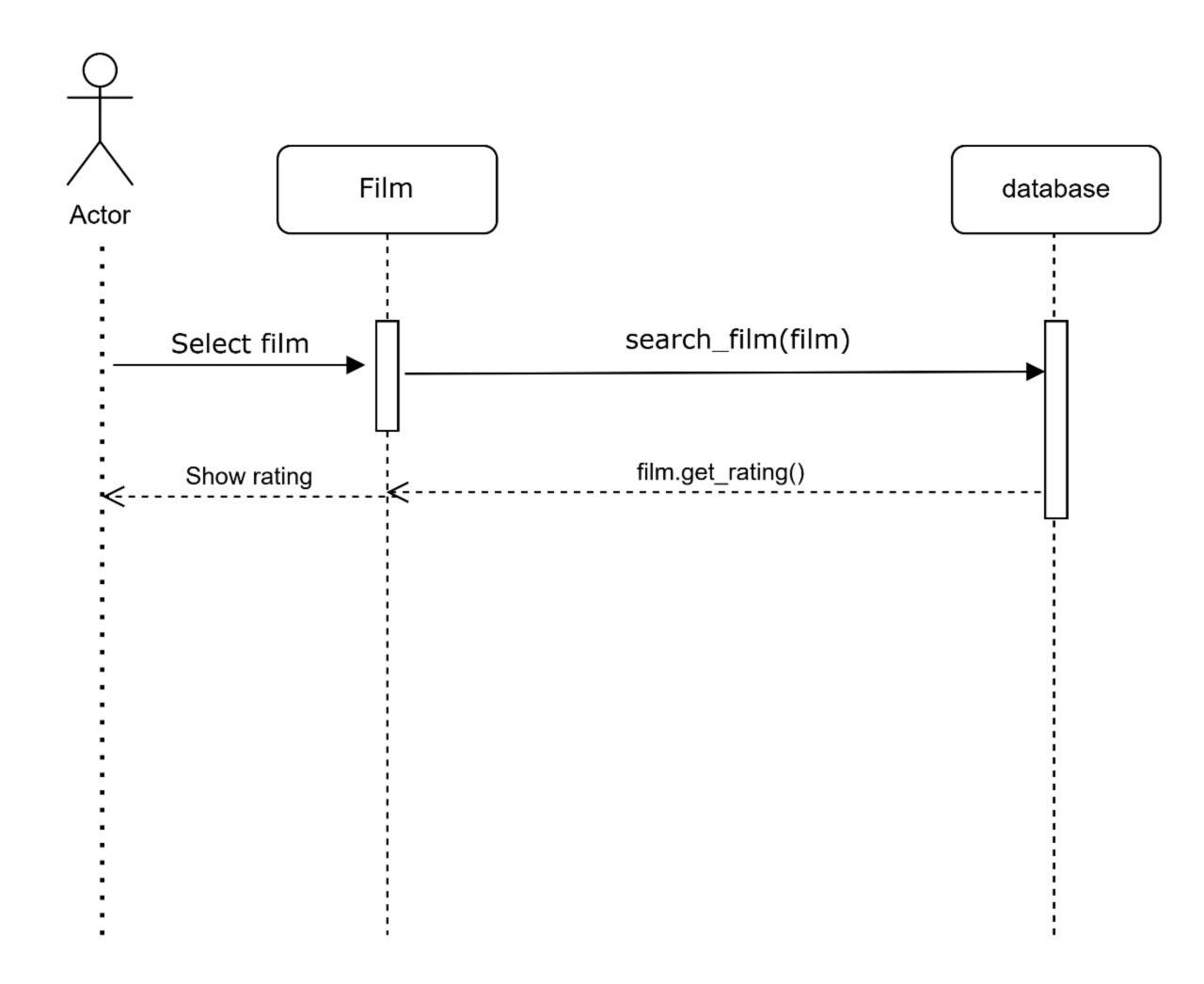
Sequence diagram: As a user I want to add films to my watchlist so that I can remember the films I want to see and have a list of them.



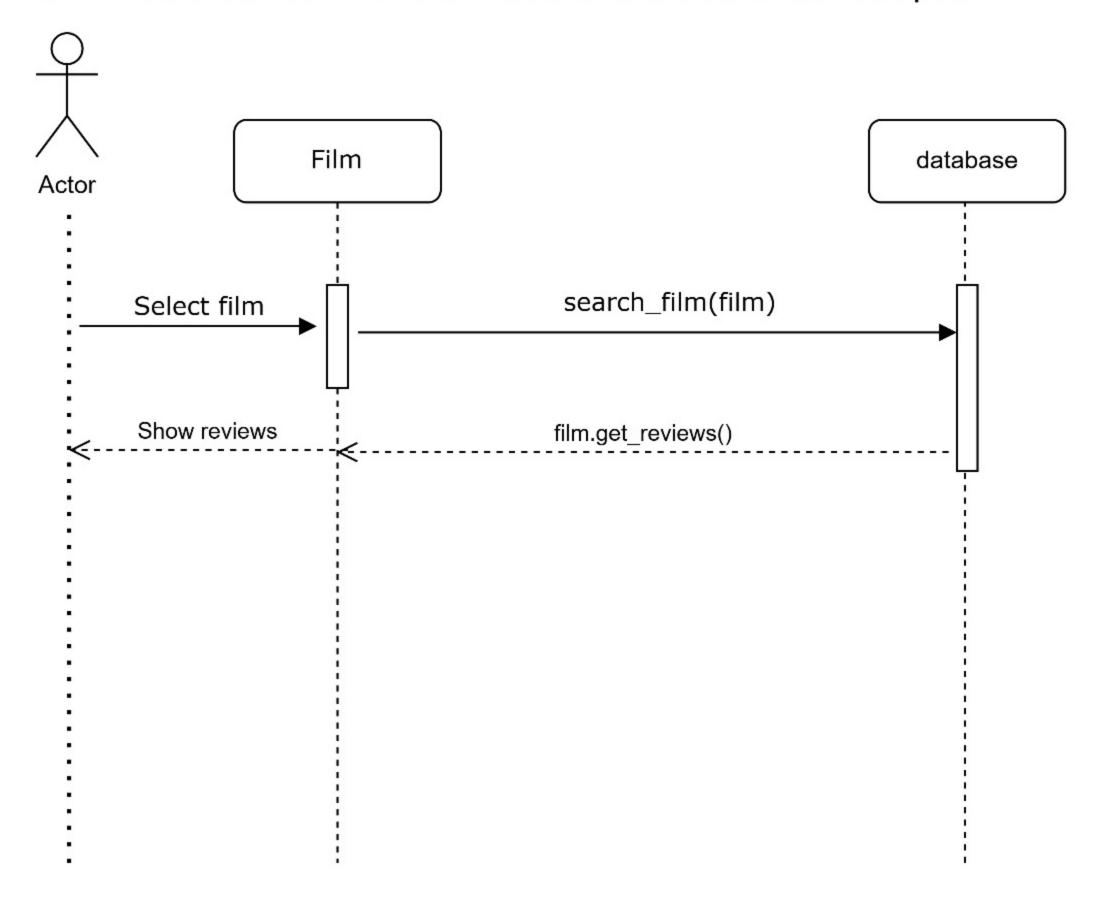
Sequence diagram: As a user I want to register in the app so that I can save my information.



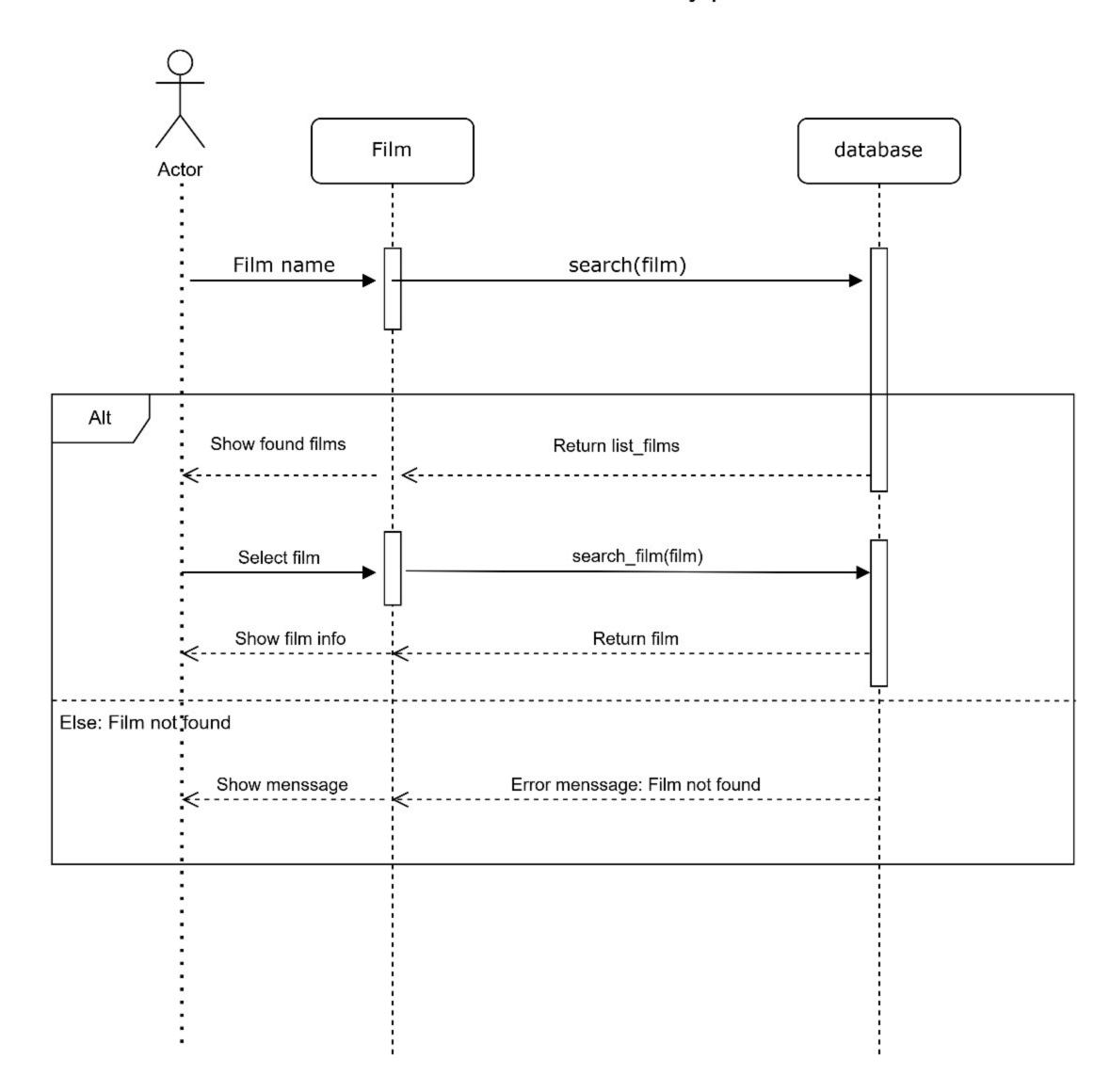
Sequence diagram: As a user I want to see the average score of a film so that I can have an idea of the movie.



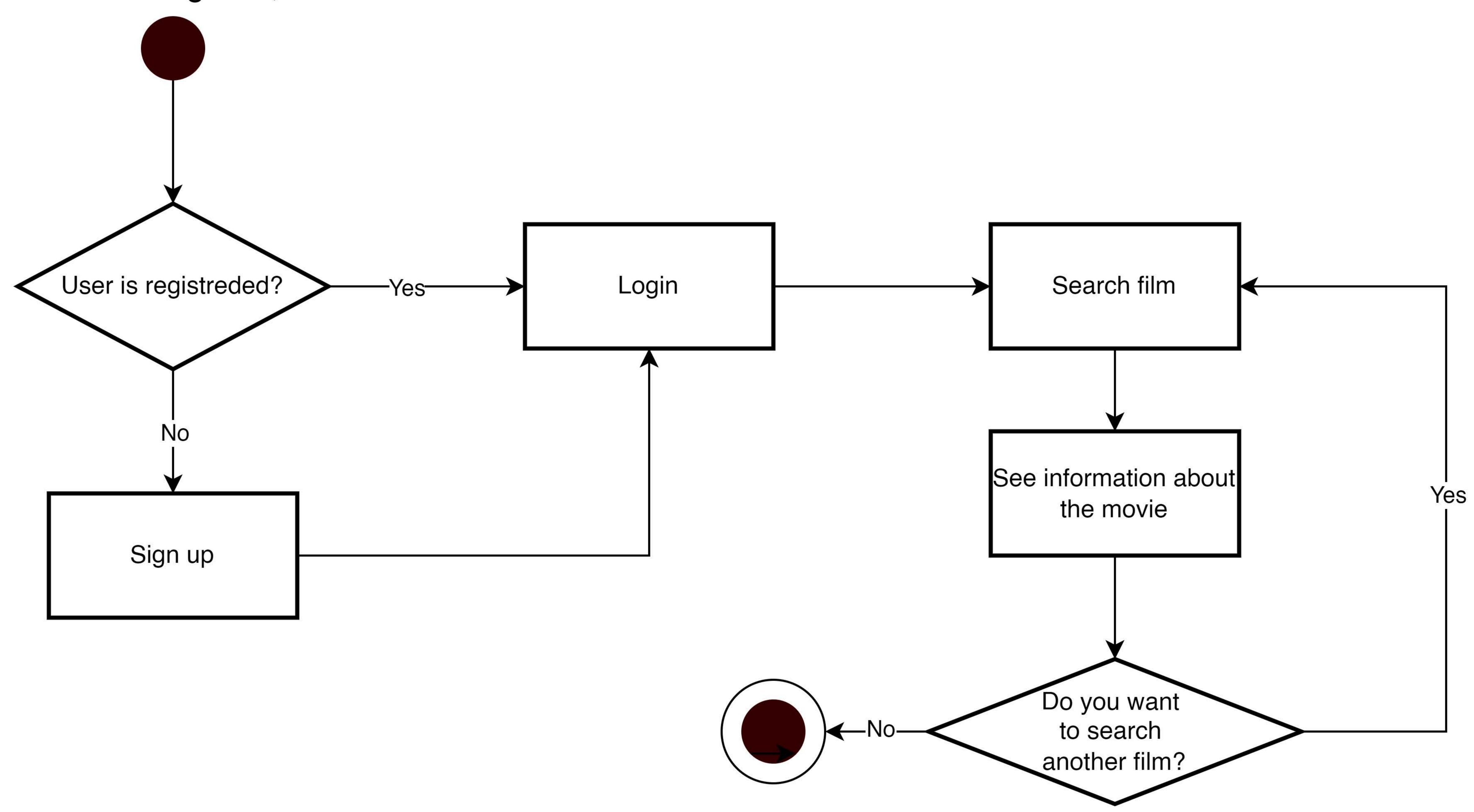
Sequence diagram: As a user I want to see reviews of other users about a film so that I can have an idea of the audience reception.



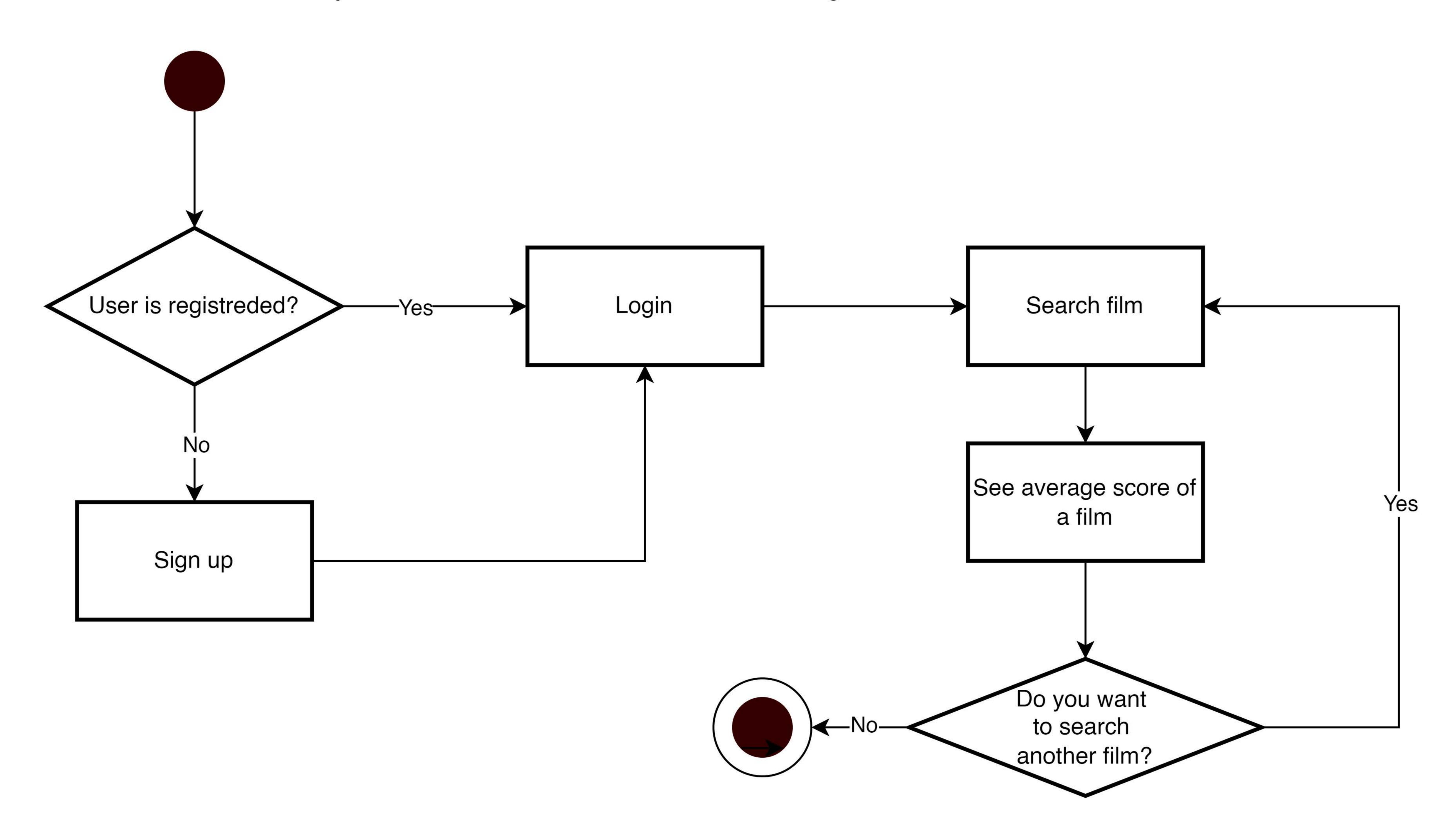
Sequence diagram: As a user I want to search films by the title so that I can find information about any particular film.



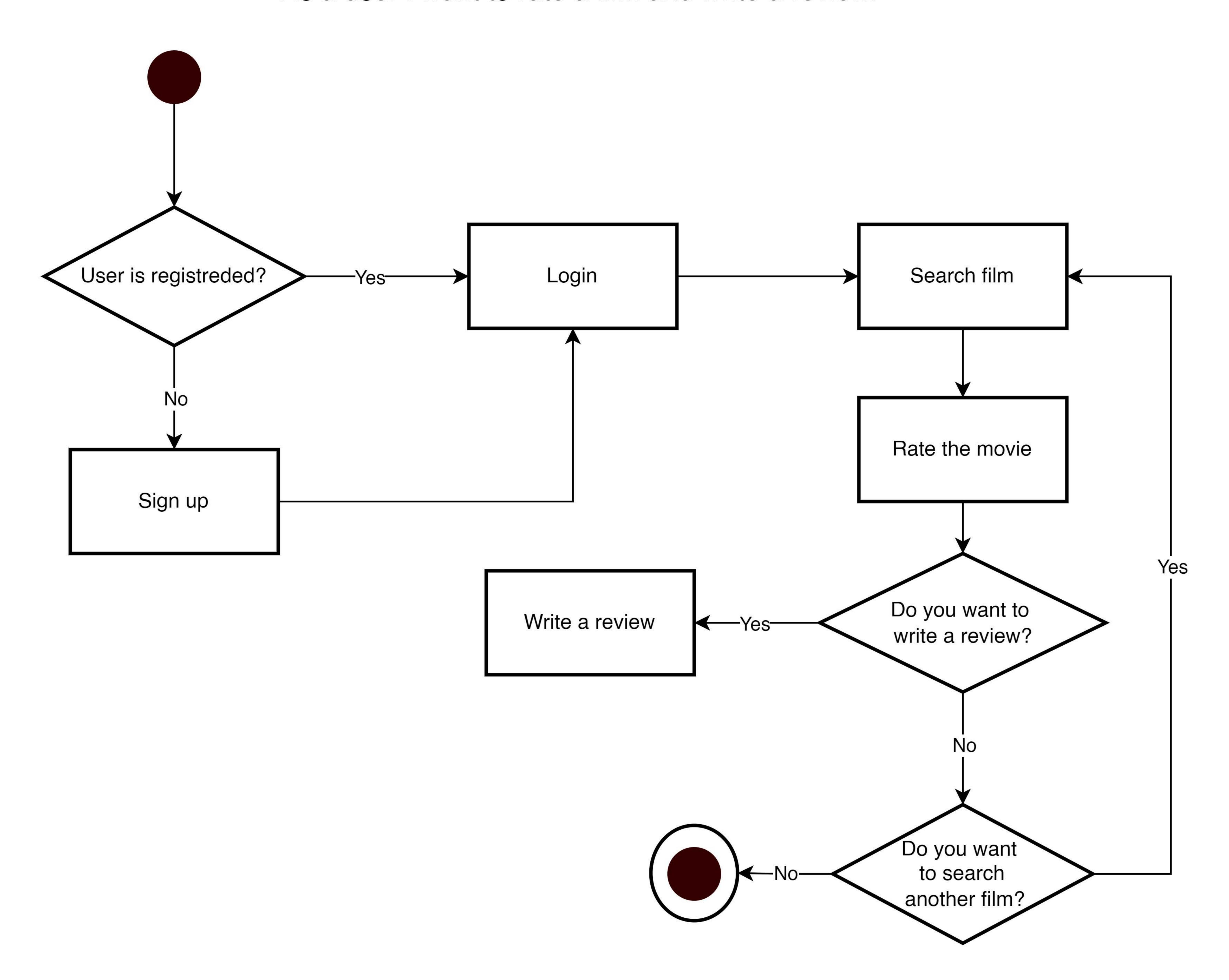
As a user I want to search films by the title so that I can find information about any particular film, like director, cast, crew, genre, amont other info.



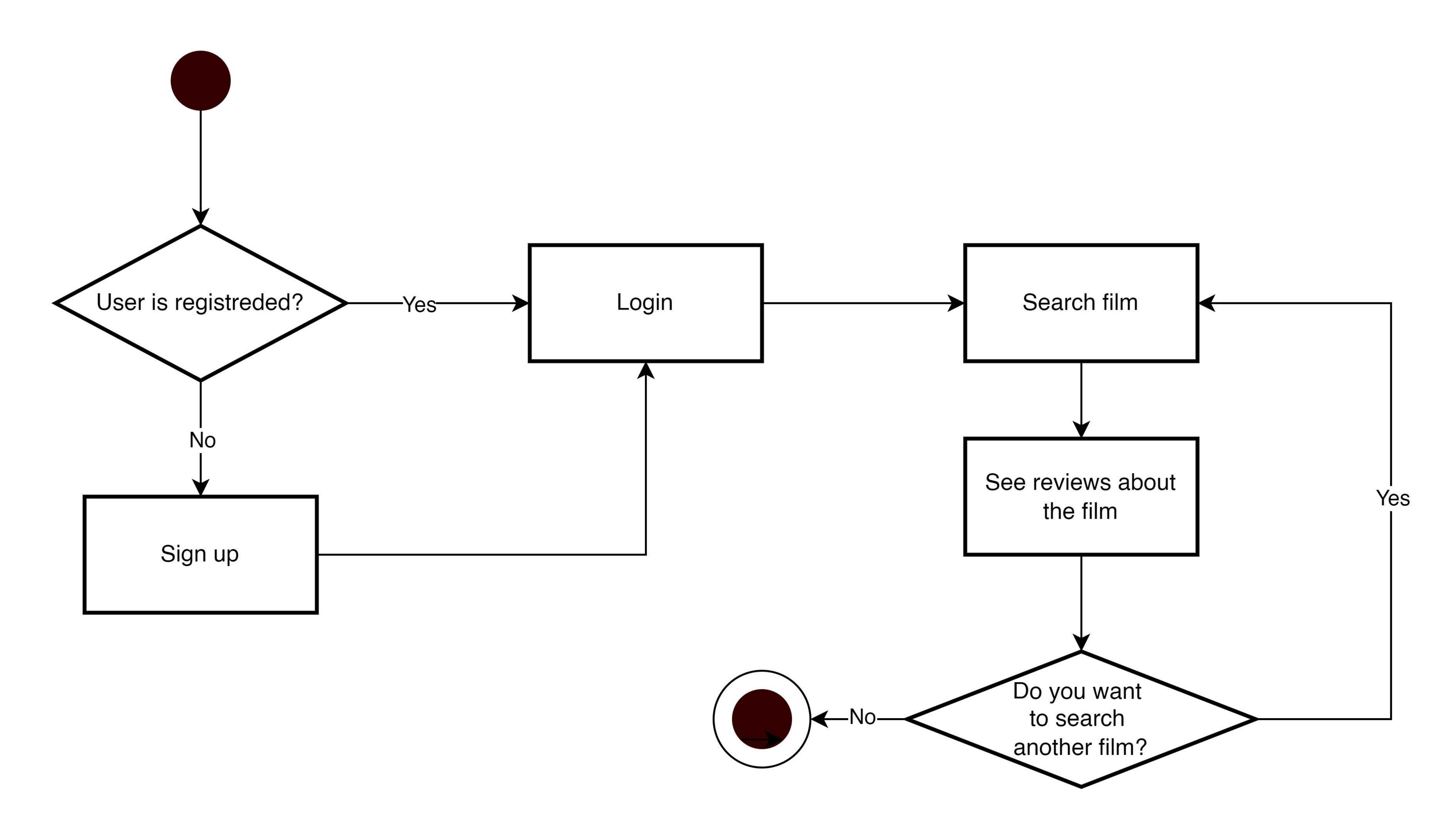
User story: As a user I want to see the average score of a film.



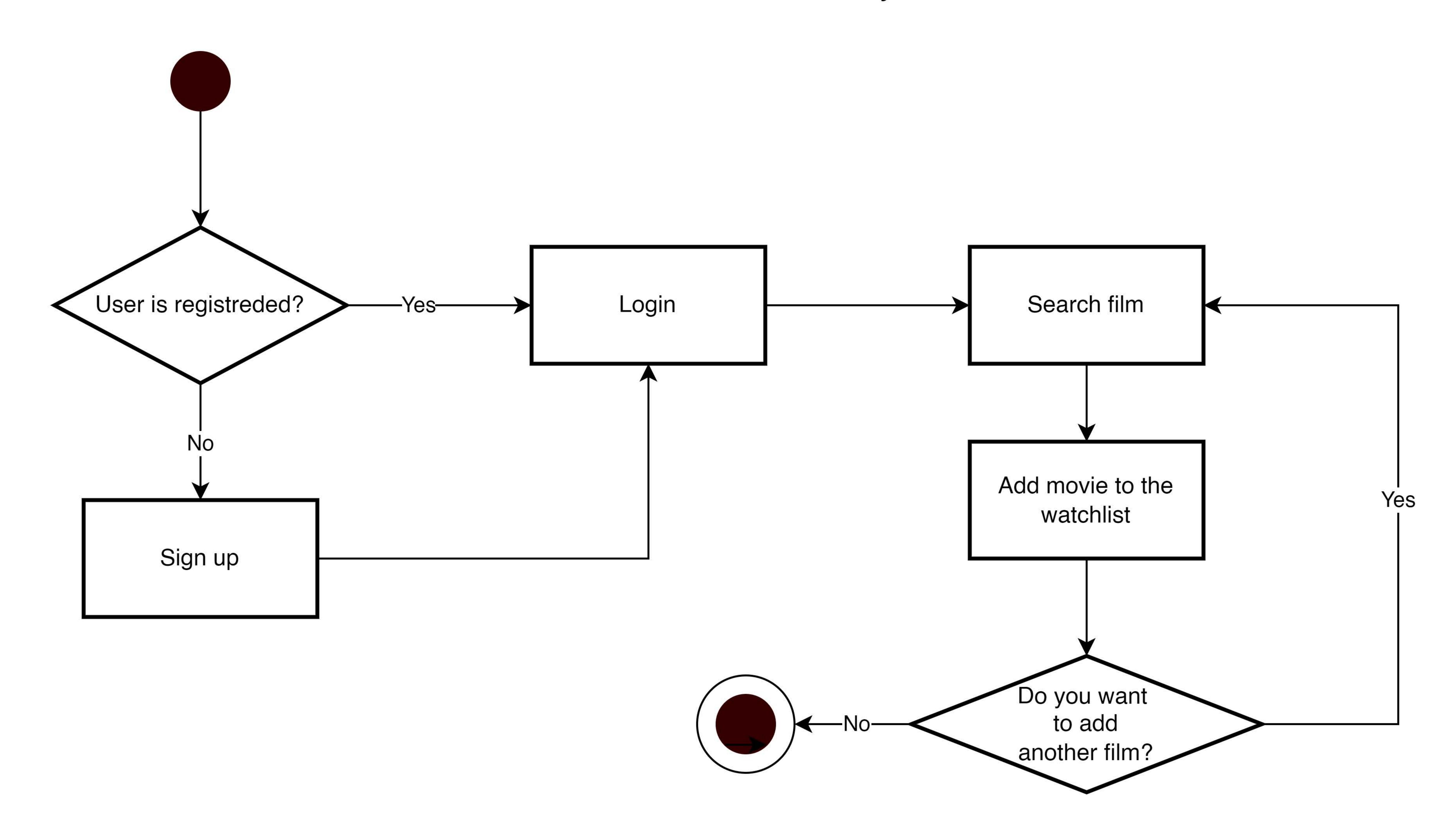
As a user I want to rate a film and write a review.



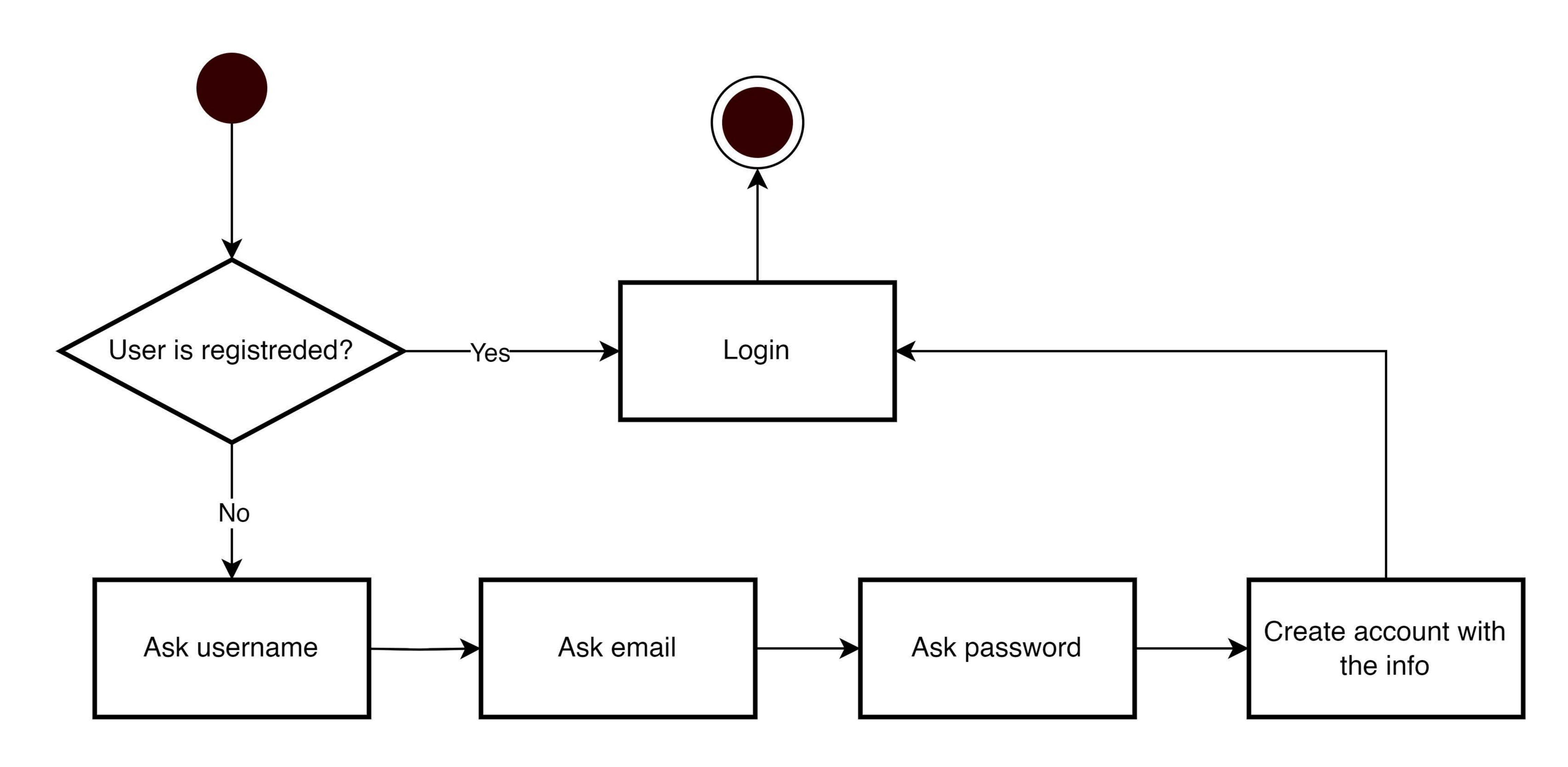
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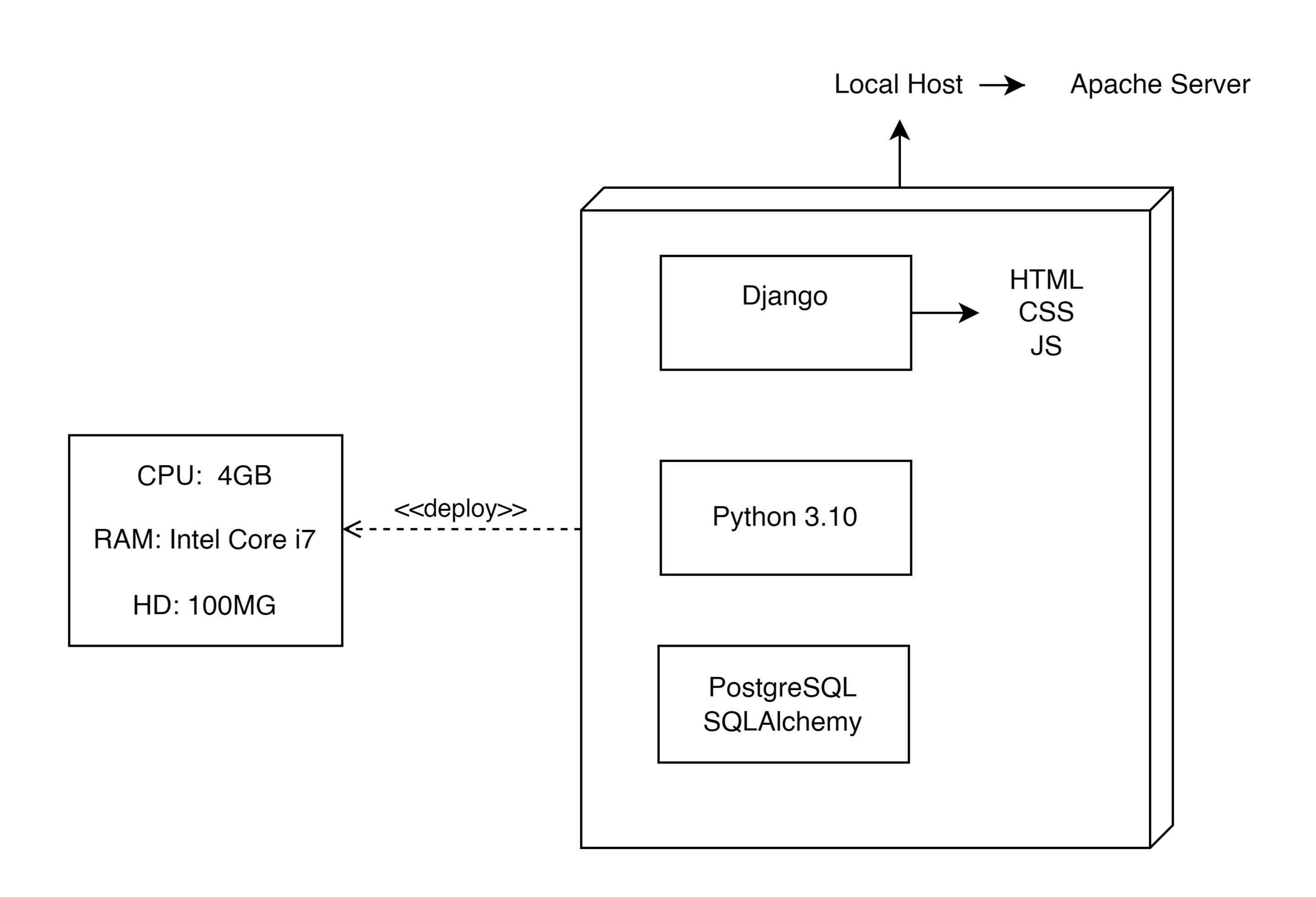
As a user I want to add films to my watchlist.



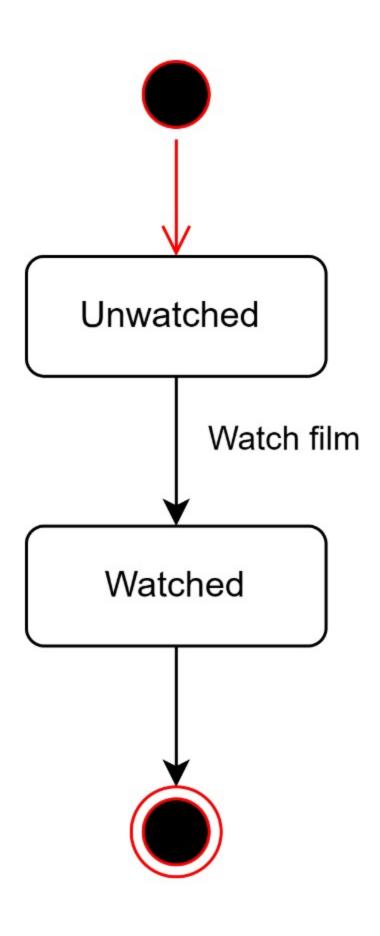
As a user I want to register in the app so that I can save my information.



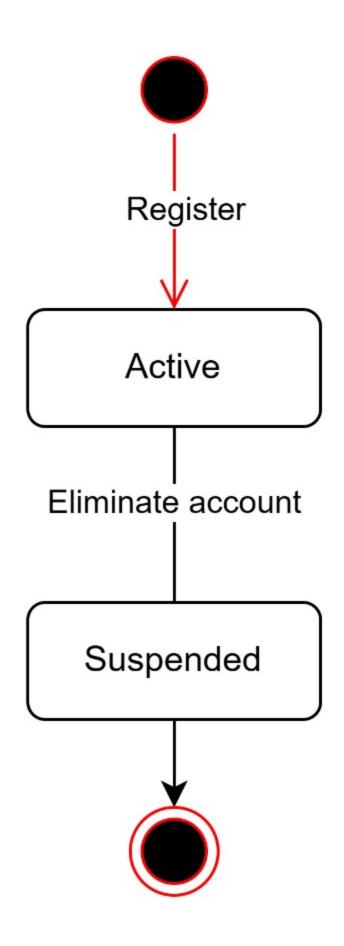
Deployment Diagram



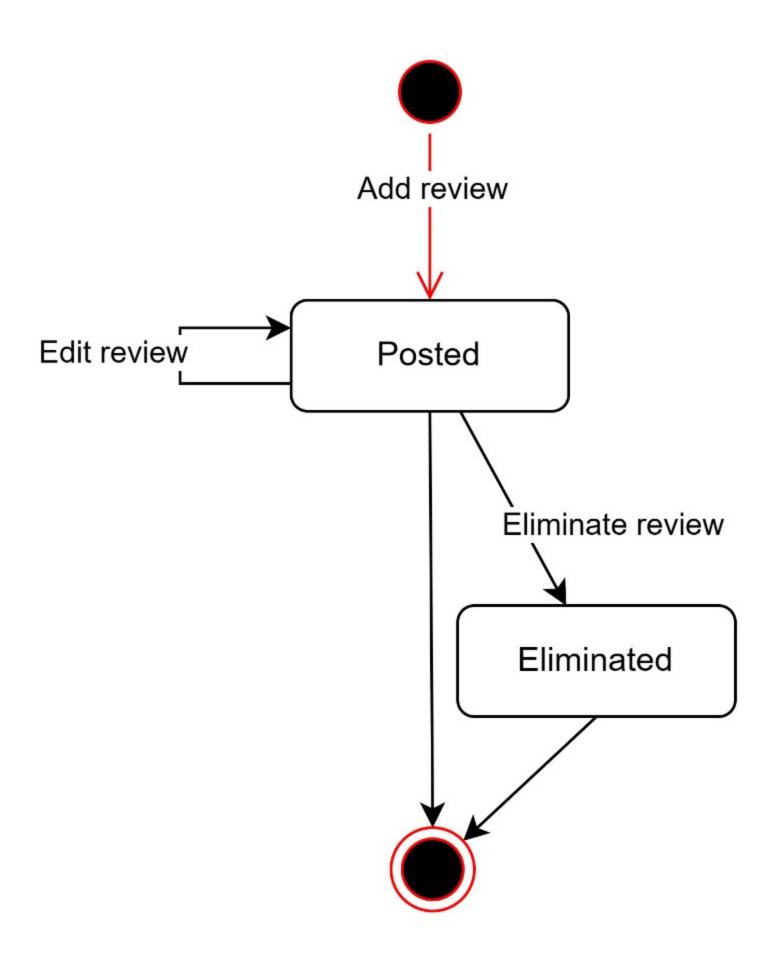
State diagram: Class FIlm



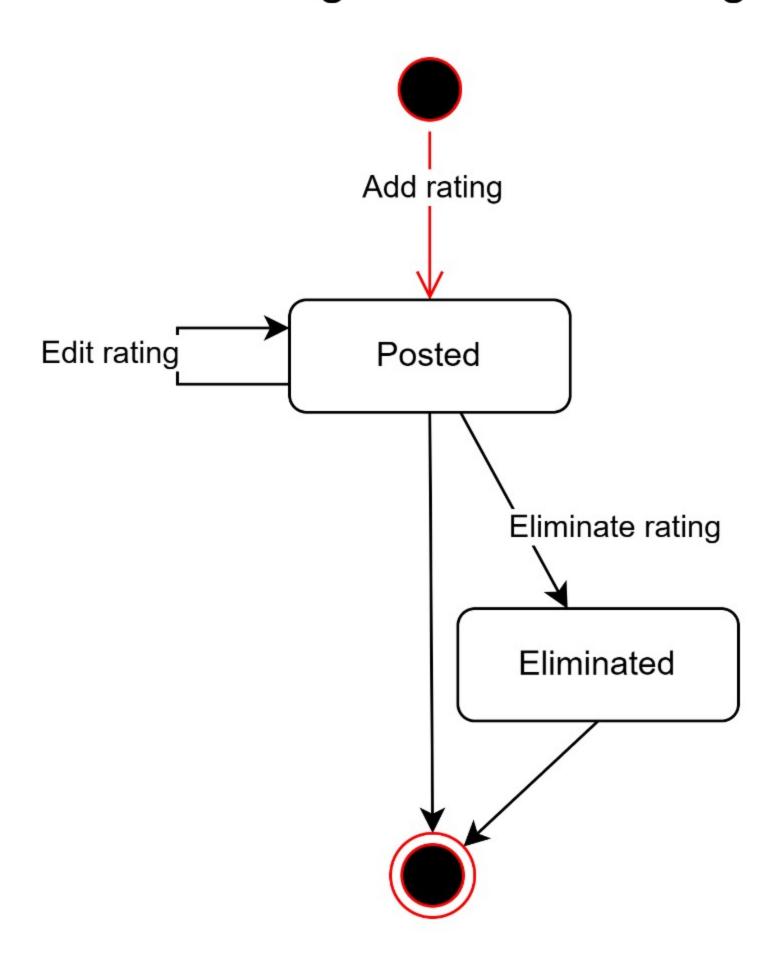
State diagram: Class User



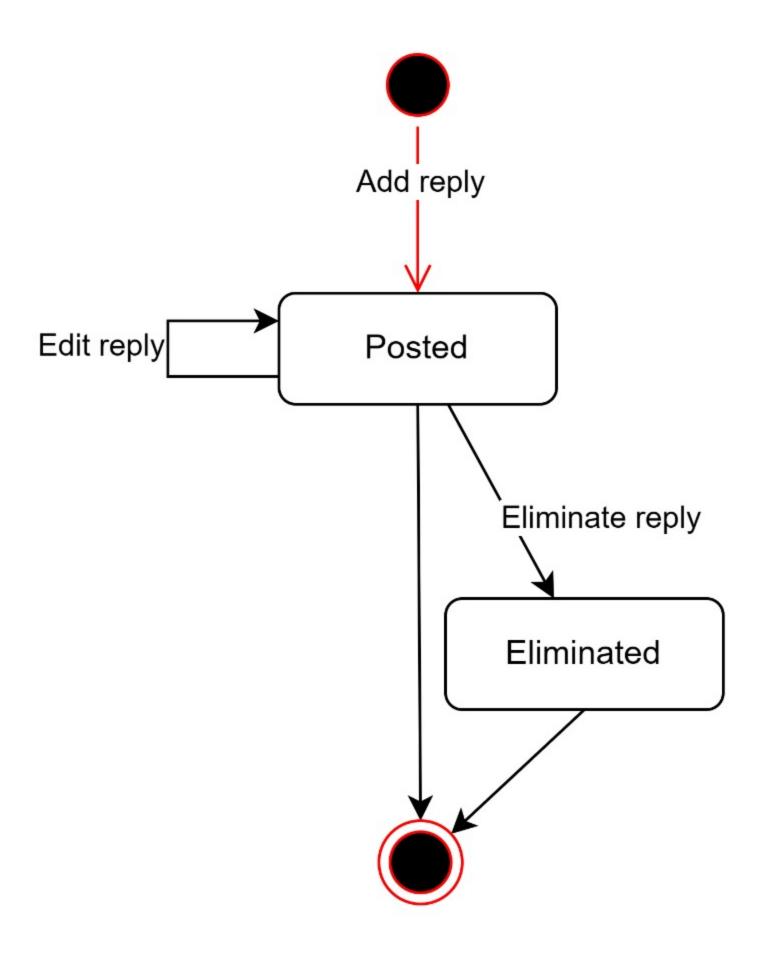
State diagram: Class Review



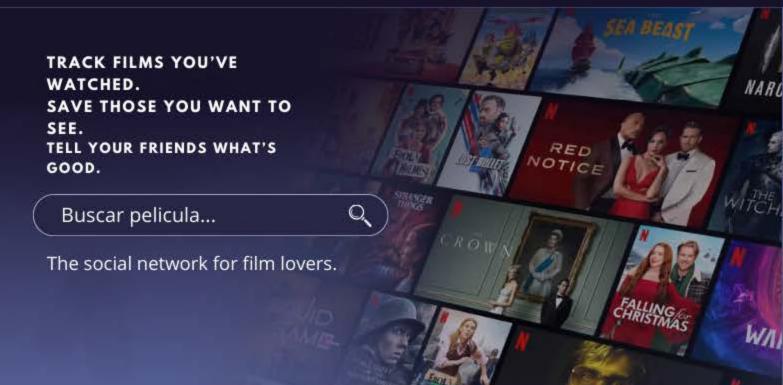
State Diagram: Class Rating



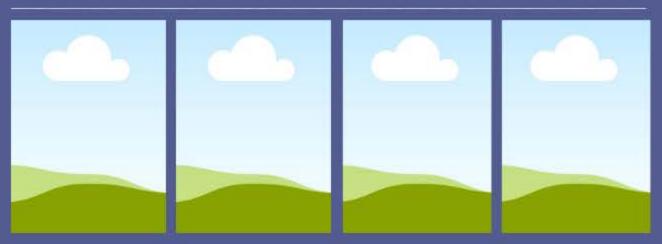
State diagram: Class Reply



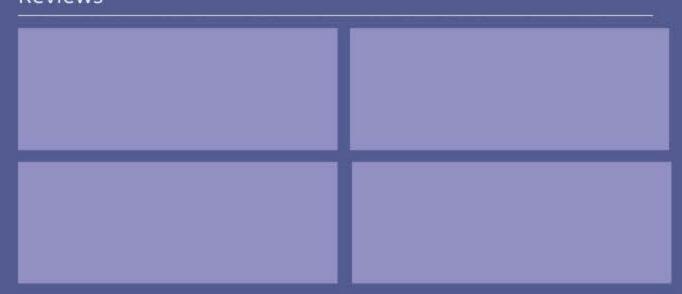
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Films



Reviews

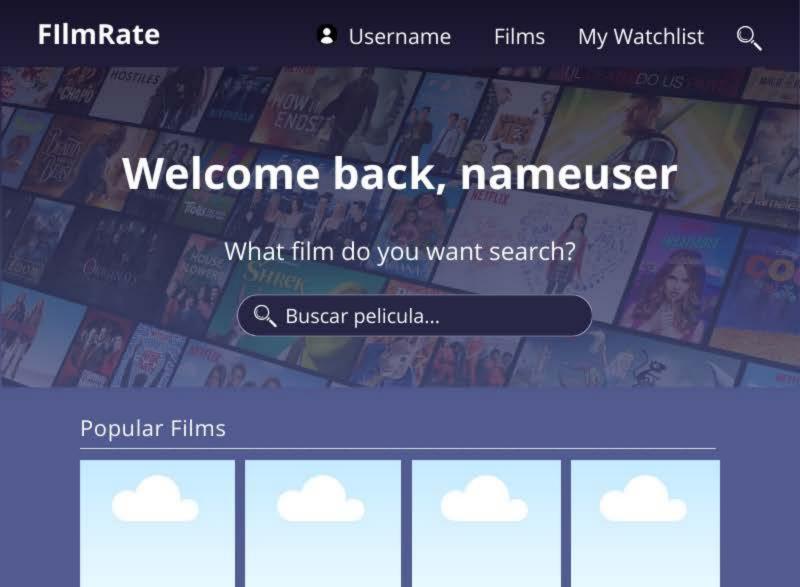


Write and share reviews. Compile your own lists.
Share your life in film.

Below are some popular reviews and lists from this week. **Sign up** to create your own.

With letterbox you can ...

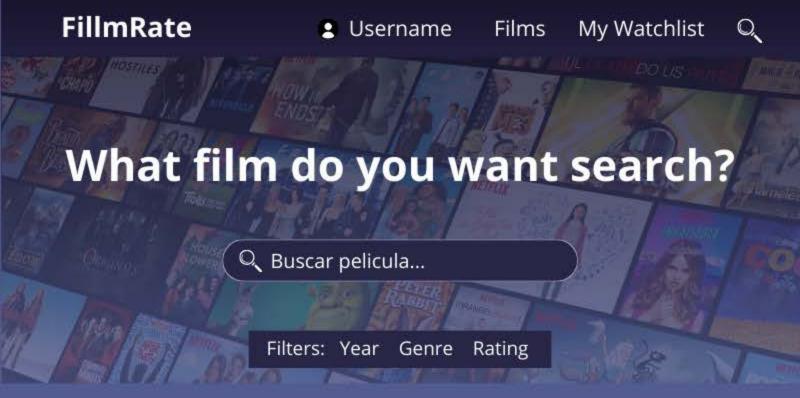




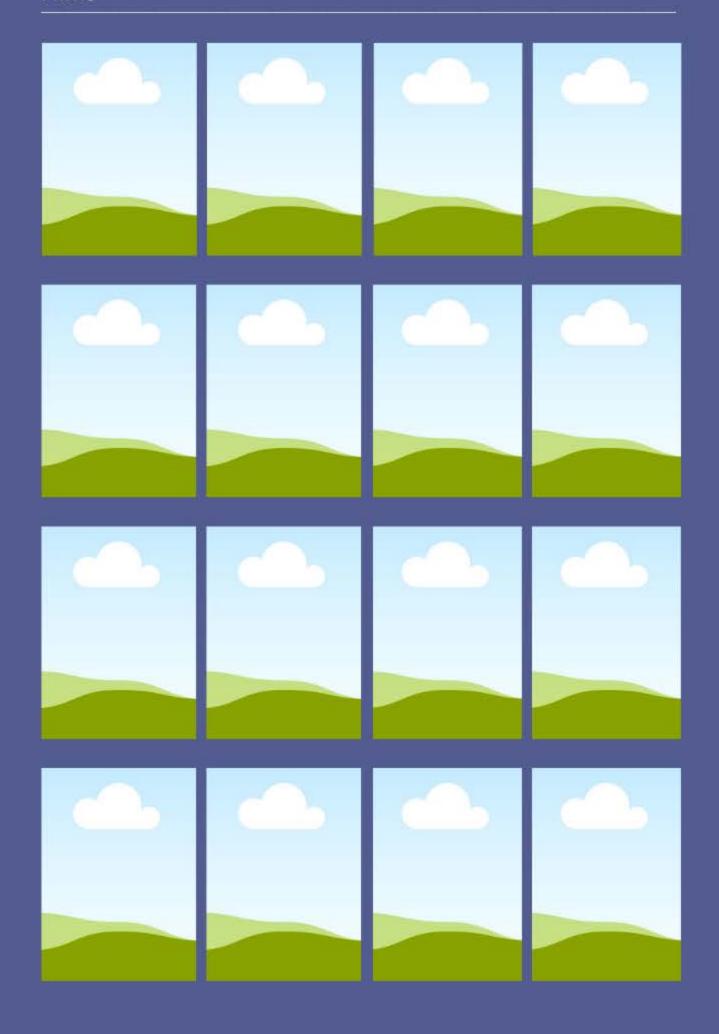
View more films

Reviews

Search film for add rewiew



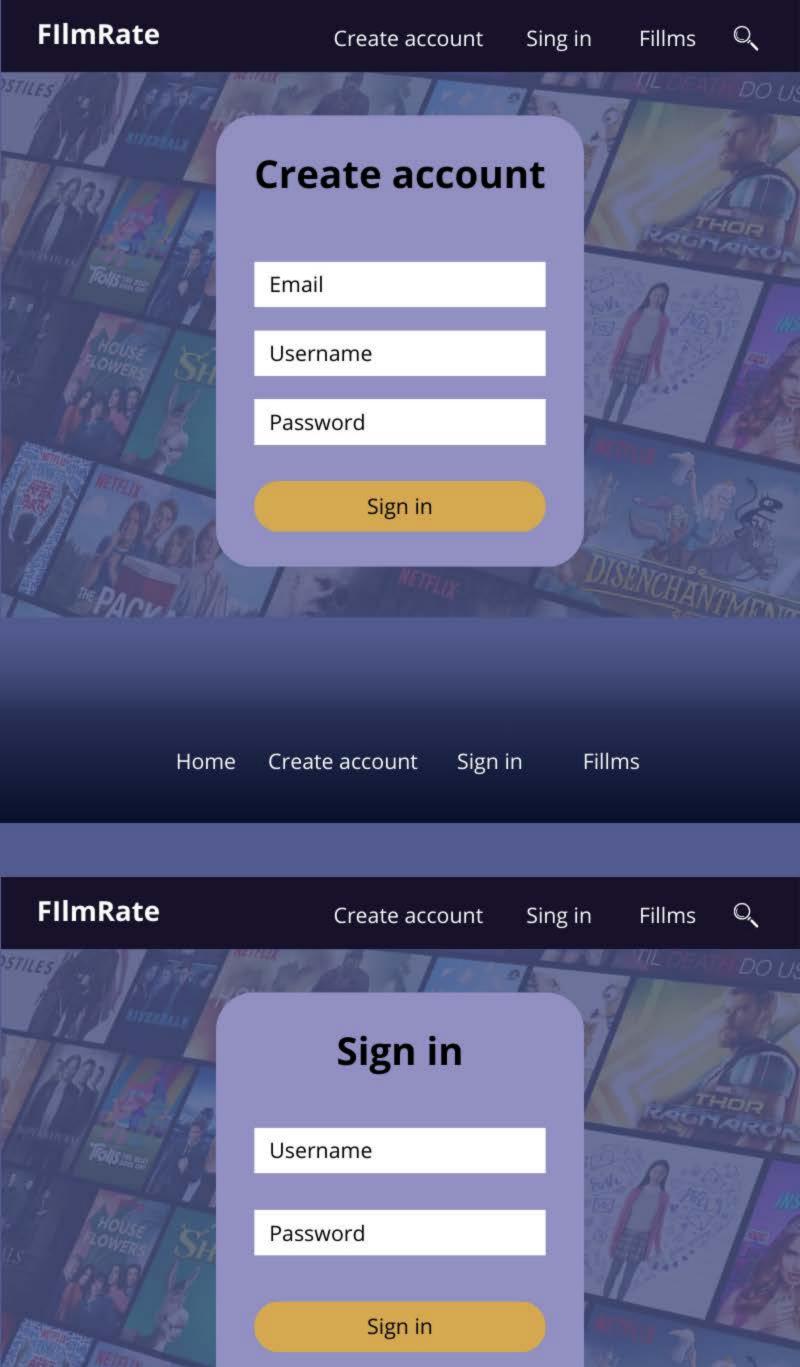
Films



Home Create account S

Sign in

Fillms





Film name

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Add review



Write your review ...

Send review

Reviews

Username



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Quibusdam alias ipsum quia,

Username



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Hello, Username

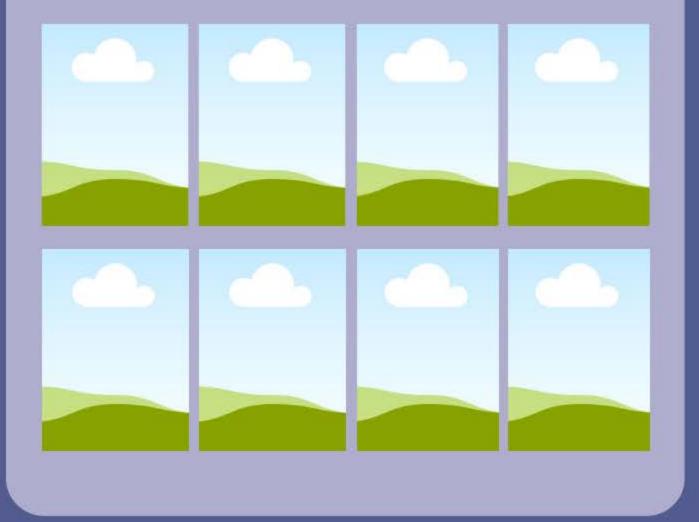
Information

Username:

Name:

Email:

Your Watchlist



Sign in Fillms Home Create account

