Use case 1: "Find a movie" (A user should be able to search for movies on relevant criteria eg. title, actor, or eg. production year after 1990.)
Actor: User
The user wants to find a movie, that is out in 2014, and its name is "Interstellar". He does not know the title of the movie, but he knows year and actor. User runs the application, enters the name of the actor, year of release and system finds the movies that pass the criteria. He then chooses the wished movie and watches it.

Use case 2: "Add to favorites" (casual): (A user would like to be able to add movies to his/her favourites list of movies and a history of which movies he/she has seen and when he/she has seen them. A user would like to see statistics of relevant things eg. when they saw which movie etc.)
Actor: User
User logs to the system and chooses the movie to watch. After he is finished to watch the movie he wants to add it to the favorites. He chooses the menu "Add to favorites" and the watched movie goes to the folder "Favorites".

- **Alternate flow:** User do not remember if he watched the film, so he goes to the folder "History" and sees, that he has seen the movie. He can also see the time and date he saw the movie.

Use case 3: "Registration" (A user should be able to register and login to the system)
Actor: User
The user open an application and wants to register. He chooses the menu "Register" and sees the field, where he is allowed to choose his username and password. He enters the username and password he wishes. He is afterwards sent further to login, where he writes username and password, and enters the system.

Use case 4 (casual): "Add a movie" (The system should be able to create, update, delete and display movies and actors)
Actor: Administrator
Administrator wants to add a new film to application library. He logs to the system and chooses the menu "Register a new film". He then enters the name of the movie and writes production year and actors in the description of the movie. When the movie is added, he gets a message: "You successfully added a movie". He then closes an application.

- **Alternate flow:** The movie already exists in the system, so administrator chooses the function "Update movie information" and enters the new information about the wished movie.

Conceptual classes: Movie, Administrator, User, Application

Nouns: *User, Movie, (Name), (Year), (Actor), Application, (Release), System, (Criteria), (Favorites), Menu, Folder, History, (date), register, password, username, (field), login, (film), library, administrator, production, description, message.*

Verbs: *(Want), (Know), (Run), (Release), (Find), (Pass), (Add), (Close), (Choose),(Watch), (Finish), (Remember), (Go), (see), (Register), (Open), (allow), (Send), (Enter), (Log), (Update)*

Use Case Diagram:

Domain Model:

Administrator
-Username
-Password

1 — adds, changes, updates — 1..* — Movie
-Actors
-Year of production

1 — owns

1 — Application
-Movie
-Library
-Login

shows — 1..*

watches

1..*

1..* — User
-Username
-Password
-Favorites
-Watch history

1 — runs — 1..*
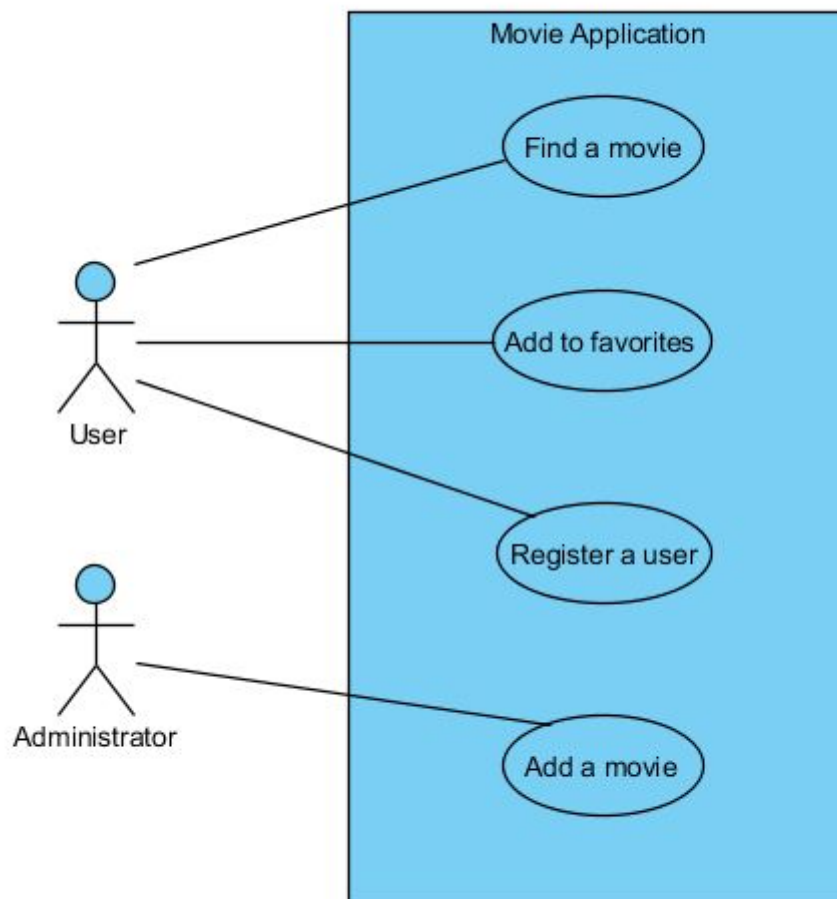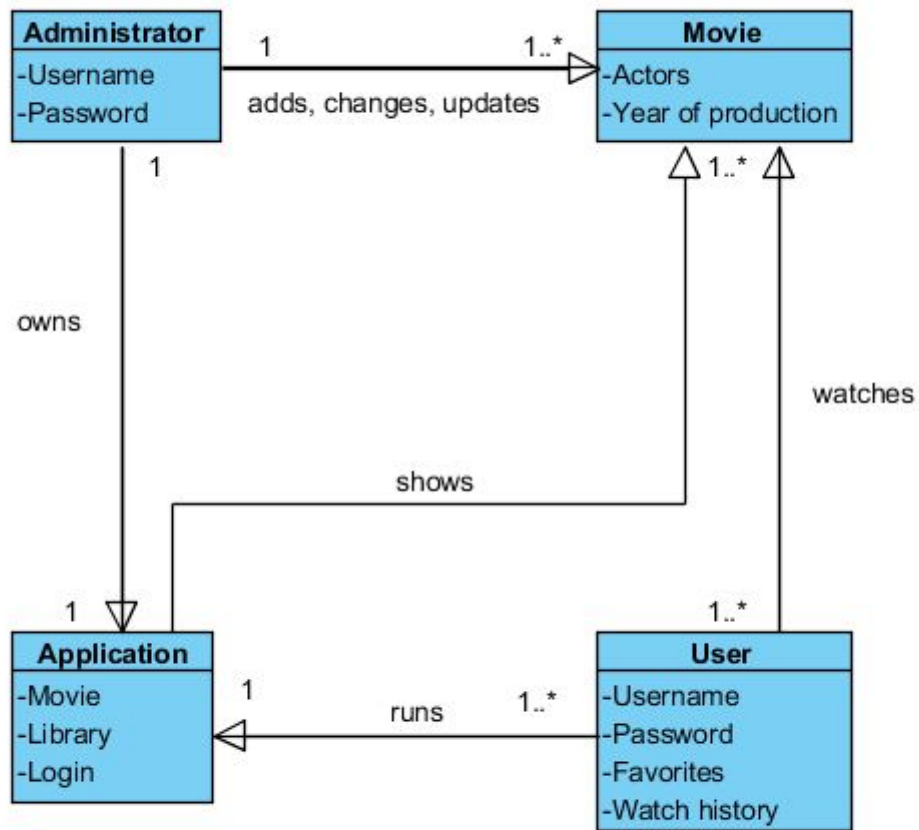
System Sequence Diagrams:

```
                          ┌─────────────┐
       ☺          ╭──────────╮  │  Movie App  │
      User      │ 3. Registration │ └──────┬──────┘
                  ╰──────────╯        ┆
       │              1: OpenApp       ┆
       │ ──────────────────────────▶ │
       │                             │
       │        1.1: MenuLogin/Register │
       │ ◀ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ │
       │                             │
       │            2: Register        │
       │ ──────────────────────────▶ │
       │                             │
       │  2.1: DisplayEnterUsernameAndPassword │
       │ ◀ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ │
       │                             │
       │   3: UsernameAndPasswordChosen │
       │ ──────────────────────────▶ │
       │                             │
       │          3.1: LoginMenu       │
       │ ◀ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ │
       │                             │
       │        4: LogInTheSystem      │
       │ ──────────────────────────▶ │
       │                             │
```

Administrator

4. Add a movie

Movie App

1: LoginToSystem

1.1: MenuOptions

2: AddNewFilm

2.1: EnterInformation

3: EnterTitle/Year/Actor

3.1: MovieSuccesfullyAdded

4: FinishOperation