Requirements

1. Functional requirements

**Movie Creator**

A user should be able to create movies and store them in the database.

A movie consists of a title, year of creation, release date, price for renting, name of the studio, director name, description, main actor name, rented status.

**Movie Manager**

A user should be able to retrieve a list of movies that are not rented from the database.

A user should be able to rent a movie from the acquired list.

**Movie Scheduler**

A user should be able to make a schedule and store it in the database.

A schedule consists of a list of scheduled movies.

A schedule movie consists of a movie, a room, a time and day at which it’s booked and a list of seats.

A user should be able to get a list of rooms.

A user should be able to get a list of rented movies.

A room consists of number of seats and a description.

A user should be able to add and remove rooms from the database.

**Ticket Booker**

A user should be able to book tickets for the scheduled movies.

**Advertiser**

A user should be able to create an advertisement and store it in the database.

An advertisement consists of advertiser name, scheduled movie title and duration.

A user should be able to register.

A user should be able to login with email and password.

\*Rent = change the rented status to true

1. Non-functional requirements

The system will have a 3-tier architecture

The system will be written in C# and Java

The system will have a GUI for each client

The system will use a protocol for sockets