Requirements

1. Functional requirements

**Movie Creator**

A user should be able to create movies.

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

**Movie Manager**

A user should be able to make a list of movies made by the Movie Creator.

**Movie Scheduler**

A user should be able to make a schedule.

A schedule consists of a list of movies, a list of rooms and a list of advertisements.

A room consists of number of seats, room number and a list of seats.

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

**Ticket Booker**

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

**Advertiser**

A user should be able to reserve a spot for advertisements in the schedule.

An advertisement consists of advertiser name and duration.

1. Non-functional requirements

The system will have a 3-tier architecture

The system will be written in C# and Java

The system will consume and expose a web service

The system will have a GUI for each client

The system will use a protocol for sockets