

Class Responsibilities

Screening System

The screening system class is one of the controllers of the system. Its responsibility is to make sure that the use cases related to the screening in the system are implemented correctly and that the operations on screenings and movies happen in the correct sequence.

Ticket System

The ticket system class is one of the controllers of the system. Its responsibility is to make sure that the use cases relate to the tickets in the system are implemented correctly and that the operations on tickets happen in the correct sequence.

Cinema

The cinema class is representing the central point of the system. It has the following responsibilities:

1. Remembering all the screen objects in the system.
2. Remembering all the screening objects in the system.
3. Remembering all the Movie objects in the system.
4. Add new movies to the system.
5. Add new screenings to the system.
6. Delete the movies in our system.
7. Delete the screenings in our system.

Screening

This class represents the specific screening in this cinema, which means a movie is played on a specific screen at a specific time. This class records the information of the movie being played, and which screen is used and the time slot to play this movie on this screen.

Screen

This class represents the screen entity in the cinema, which is a specific room to play the movie. Every screen has the different capacity, which means the maximum number of tickets can be sold for a specific screening in this screen.

Movie

This class represents the movie in the system, which remembers the name of the movie and time duration of the movie.

Ticket

This class represents the ticket entity in the system that remembers which screening this ticket refers to. Every ticket must refer to one screening.