

## Description

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## **Customer**

Class Customer represents consumers in the cinema. It is used to store, set and get customer's names and passwords.

## **Customer System**

Class Customer System represents a system in which consumers can do book tickets and so on. It is used to create customers' orders or cancel customers' orders, and to get customers' orders, get films' information and get timetables.

## **Order**

Class Order represents orders generated by consumers after consumption. It is used to store orders' date; store start time, names and duration of films; store row and column codes of seats; store IDs and types of screens. It is also used to get orders' date; get start time, names and duration of films; get row and column codes of seats; get IDs and types of screens.

## **TimeTable**

Class TimeTable represents screen schedule for all movies. It is used to either store films' start time and tickets prices, or get information, start time, ticket prices of films, or get information of screens, or set films' start time.

## **Administrator System**

Class Administrator System represents a system for administrator to do management works of cinema. It is used to get orders' date, or get start time, name and duration of films, or get row and column code of seats, or get ID and type of screens. It is also used to set films, set ticket prices, timetable and screen. Specially, it can cancel customers' orders and record administrator operation logs.

## **Administrator**

Class Administrator represents administrators of cinema. It is used to store, get and set administrators' names and passwords. Administrator can access Administrator System to update some information about the cinema or films. Administrator can also process customers' orders.

## **Screen**

Class Screen represents various screens of cinema. It is used to store and get screens' types and IDs. It is also used to set types, IDs of screens and customers' seats.

## **Seat**

Class Seat representatives seats of a certain screen of cinema. It is used to store and get screens' types and IDs. It is also used to set types, IDs of screens and customers' seats. Specially, it can know if a certain seat is empty.

## **Film**

Class Screen representatives various screens of cinema. It is used to store films basic information, such as posters, name, etc. It is also used to get or set poster, title, duration, director, protagonist, release time and information of films.