

ReservationSystem

- stores reservations
- stores customers' phone numbers
- finding shows by title and the date
- reserve seats for customers
- accepting reservation of seats from customers
- find and offer adjacent seats
- find and remind reservations
- canceling reservations
- informing canceled shows to customers
- adding new theaters
- stores future shows

- PhoneNumber
- Reservation
- Customer
- Collection
- Theater
- Show
- Seat

Reservation

- stores a show and a customer
- stores reserving details
- can be canceled
- add some other seats to the reservation

- ReservationSystem
- Customer
- Show

Customer

- stores personal details including phone number
- reserving seats
- can request for adjacent seats
- adding some other seats to previous reservations

- ReservationSystem
- PhoneNumber
- Reservation
- Seat

PhoneNumber

- stores a phone number

- ReservationSystem
- Customer

Theater

- stores some rows and their seats
- accepting reservation request
- find and offer adjacent seats
- canceling reservations

- Collection
- Row
- Seat

Show

- stores the time, the date, the movie and the theater
- plan for the time, the date, the movie and the theater
- presenting details of theater and capacity
- ability to reserve seats
- find and offer adjacent seats
- canceling reservations
- can be canceled

- ReservationSystem
- Reservation
- Theater
- Movie
- Date

Movie

- stores a movie's details

- Show

Row

- stores some seats
- receiving reservation request
- finding seat by number

- Theater
- Seat

Seat

- stores the theater, number, row and column
- stores the state of seat
- receiving reservation

- Customer
- Theater
- Row

Date

- stores a date

- Reservation
- Show

Time

- stores time

- Reservation
- Show

Collection

- stores a collection of objects

- ReservationSystem