# Movie

movieTitle: String

date : int time : int

movieRating: String theaterLocation: String

seats: Map<bool>

setName(String) : void
getName() : String
getFreeSeats() :

Map<bool>

isSeatFree(index): bool

#### TheaterLocation

movieList: Movie[]

updateMovie(Movie): void

#### AccountInfo

username : String password : String name : String

emailAddress: String

## SystemInfo

updatedate(Movie, int): void updatetime(Movie, int): void deleteMovie(Movie): void addMovie(Movie): void

#### **PostReview**

userRating : int userReview : String

updateRating(Rating): void

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#### **Ticket**

seat : (int, int) price : int

buyTicket() : void

# MakePayment

transactionID : int userTicker : Ticket

confirmPurchase(ticket) : int
updateSeats(ticket) : void

## UserInfo

rewardPoints : int discountStatus : bool transactionHistory : int

updateLoyalty(int, int): int

viewMovies() : void
pickMovie(Movie) : void
viewTransactions() : void
cancelTicket(Ticket) : void