

Model Class Diagram without Relationships, and with Attributes and Behaviour

Movie Ticket Reservation App

Group 5

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<<entity>> User
-id: int -firstName: String -lastName: String -email: String -address: String -city: String -province: String -postalCode: String -phone: String -password: String -defaultCard: Card -roles: HashSet<Role> -rolStrings: String[]
+isEnabled(): boolean +getAuthorities(): Collection

<<entity>> Role
-id: Integer -name: String

<<entity>> Selection
-user: User -selectedTheater: Theater -selectedMovie: Movie -selectedShowtime: Showtime -selectedSeatsString: String[] -selectedTickets: ArrayList<Ticket> -card: Card +theaters: ArrayList<Theatre> +showtimes: ArrayList<Showtime> +seats: ArrayList<Seat> -totalPrice: double

<<entity>> Movie
-id: int -title: String -description: String -genre: String -rating: String -releaseDate: String -duration: String -trailer: String -poster: String -status: String

<<entity>> Theatre
-id: int -name: String -address: String -city: String -province: String -postalCode: String -phone: String -email: String -website: String ~showTimes: ArrayList

<<entity>> Showtime
-id: int -date: String -time: String -theater: Theater -movie: Movie ~selectedSeats: String[]

<<entity>> Seat
-id: int -theaterId: int -row_number: int -seat_number: int -status: String -price: Double

<<entity>> Card
-id: int -userId: int -cardNumber: String -cardHolderName: String -expiryDate: String -cvv: String

<<entity>> Receipt
-id: int -date: String -time: String -movieName: String -theatreName: String -userEmail: String -price: double ~tickets: ArrayList
+ method(type): type

<<entity>> Ticket
-id: int -userId: int -showtime: Showtime -seat: Seat -price: Double -status: String

<<wrapper>> Response
-data: T -message: String -success: boolean

<<entity>> News
-image: String -title: String -theNews: String

<<entity>> Offer
-id: int -userId: int -price: Double -offer: String -quantity: int -movie: Movie