Cinema Ticket Reservation System UML May 11, 2020 Admin - Name: String Movie - ID: int - Password: String - movieID: int Report + title: String Customer -Updates + status: String + addHall(hall: Hall): boolean + startingDate: date + sypnosis: String + removeHallI(hall: Hall): boolean + endingDate:date + genre: String - customerID: int + addMovie(movie: Movie): boolean - totalHalls: int + rating: String - Name: String + deleteMovie(movie: Movie): boolean - totalMovies: int - Address: String + updateMovie(movie: Movie): boolean -totalTicketsAvailable: int Views - PhoneNo: int + viewReport(): void -totalTicketsSold: int - Age: int +generateReport(): boolean MovieReport: moviereport + Movie() HallReport: hallreport + Movie(attributes) 0..* + addDetails(): boolean + getTitle(): String + setTitle(title: String): void + modifyDetails(): boolean + setDuration(startingdate: date, endingdate: date) void + favGenre(): String + getStatus(): String +setMovieReport(): boolean + setStatus(status: String): void + viewMovies(): void +setHallReport(): boolean + searchMovies(): void + getSypnosis(): String +dailyReport(date: Date) boolean 1 + suggestedMovies(): void + setSypnosis(sypnosis: String): void +MonthlyReport(month: Month, year: Year) boolean + getGenre(): String + bookTicket(): boolean +YearlyReport(year: Year) boolean + makePayment(): void + setGenre(genre: String): void +displayReport(): void + getRating(): String Hall + setRating(rating: String): void + printMovieDetails(): String - hallNumber: int - category: String capacity: int Makes HallReport MovieReport - seats: Seat∏ + startingDate: date + startingDate: date Show + endingDate:date + endingDate:date + showAvailableSeats(): void Payment - movieID: int - hallNumber: int + updateAvailableSeats(): boolean - totalEarningByHall: double - totalEarningByMovie double - movie: String - totalTicketsByHall: int - totalTicketsByMovie: int - customerID: int - date: Date - totalSoldTicketsByMovie: int - totalSoldTicketsByHall: int - transactionID: int - time: String - totalMoivesByHall: int - totalMoivesByMovie: int - hall: Hall + getDuration() void + getDuration() void + amount(): double + Show(attributes) + getReport() void + getreport() void + confirmTransaction(): boolean + printShowDetails(): String Seat + cancelTransaction(): boolean + printReceipt(): boolean - row: int - column: int Ticket + addSeats(): boolean + removeSeats(): boolean - ticketID: int - price: double **SpecificHall** SpecificMovie 0..15 - seat: Seat AllMovies + printTicketDetails(): boolean + getreport(): void + getreport(): void

+ getreport(): void

AllHalls

+ getreport(): void