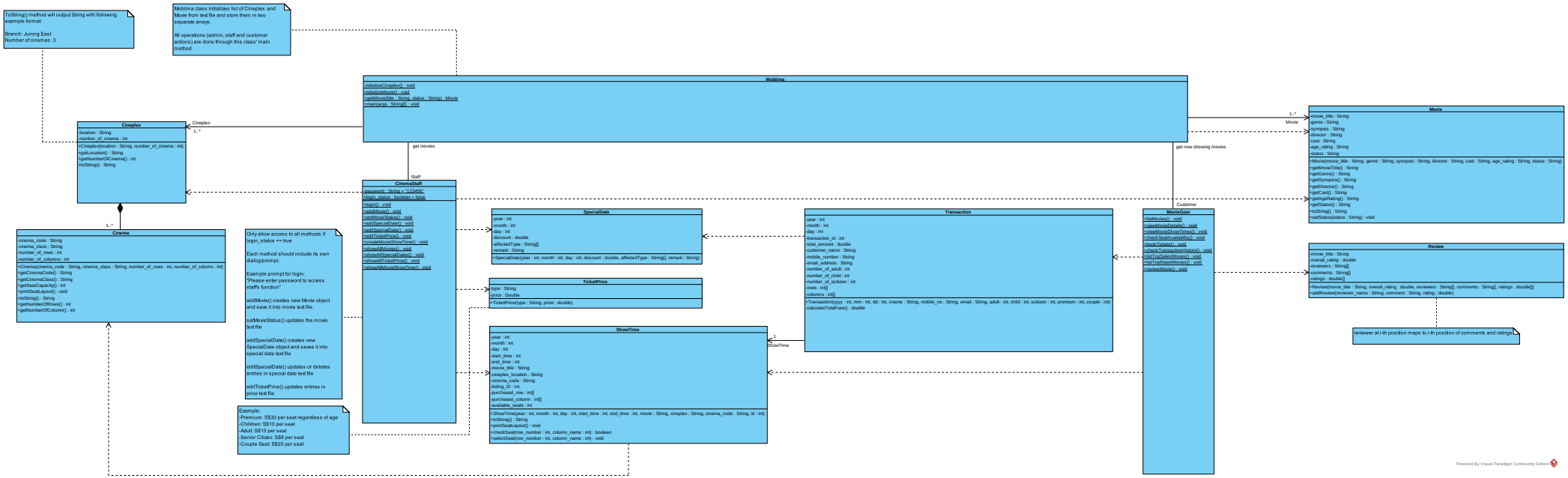
ToString() method will output String with following example format:
Branch: Jurong East
Number of cinemas: 3
Moblima class initializes list of Cineplex and Movie from text file and store them in two separate arrays.
All operations (admin, staff and customer actions) are done through this class' main method.
Moblima
-initializeCineplex() : void
-initializeMovie() : void
+getMovie(title : String, status : String) : Movie
+main(args : String[]) : void
Cineplex
-location : String
-number_of_cinema : int
+Cineplex(location : String, number_of_cinema : int)
+getLocation() : String
+getNumberOfCinema() : int
+toString() : String
Cineplex
1..*
1..*
Movie
get movies
get now showing movies
Staff
Customer
Movie
-movie_title : String
-genre : String
-synopsis : String
-director : String
-cast : String
-age_rating : String
-status : String
+Movie(movie_title : String, genre : String, synopsis : String, director : String, cast : String, age_rating : String, status : String)
+getMovieTitle() : String
+getGenre() : String
+getSynopsis() : String
+getDirector() : String
+getCast() : String
+getAgeRating() : String
+getStatus() : String
+toString() : String
+setStatus(status : String) : void
1..*
Cinema
-cinema_code : String
-cinema_class : String
-number_of_rows : int
-number_of_columns : int
+Cinema(cinema_code : String, cinema_class : String, number_of_rows : int, number_of_columns : int)
+getCinemaCode() : String
+getCinemaClass() : String
+getSeatCapacity() : int
+printSeatLayout() : void
+toString() : String
+getNumberOfRows() : int
+getNumberOfColumns() : int
CinemaStaff
-password : String = "123456"
-login_status : boolean = false
+login() : void
-addMovie() : void
+setMovieStatus() : void
-addSpecialDate() : void
-editSpecialDate() : void
-editTicketPrice() : void
-createMovieShowTime() : void
+showAllMovies() : void
+showAllSpecialDates() : void
+showAllTicketPrice() : void
+showAllMovieShowTime() : void
Only allow access to all methods if login_status == true
Each method should include its own dialog/prompt.
Example prompt for login:
"Please enter password to access staffs function"
addMovie() creates new Movie object and save it into movie text file.
setMovieStatus() updates the movie text file
addSpecialDate() creates new SpecialDate object and saves it into special date text file
editSpecialDate() updates or deletes entries in special date text file
editTicketPrice() updates entries in price text file
Example:
-Premium: S$30 per seat regardless of age
-Children: S$10 per seat
-Adult: S$15 per seat
-Senior Citizen: S$8 per seat
-Couple Seat: S$20 per seat
SpecialDate
-year : int
-month : int
-day : int
-discount : double
-affectedType : String[]
-remark : String
+SpecialDate(year : int, month : int, day : int, discount : double, affectedType : String[], remark : String)
TicketPrice
-type : String
-price : Double
+TicketPrice(type : String, price : double)
ShowTime
-year : int
-month : int
-day : int
-start_time : int
-end_time : int
-movie_title : String
-cineplex_location : String
-cinema_code : String
-listing_ID : int
-purchased_row : int[]
-purchased_column : int[]
-available_seats : int
+ShowTime(year : int, month : int, day : int, start_time : int, end_time : int, movie : String, cineplex : String, cinema_code : String, id : int)
+toString() : String
+printSeatLayout() : void
+checkSeat(row_number : int, column_name : int) : boolean
+selectSeat(row_number : int, column_name : int) : void
1
ShowTime
Transaction
-year : int
-month : int
-day : int
-transaction_id : int
-total_amount : double
-customer_name : String
-mobile_number : String
-email_address : String
-number_of_adult : int
-number_of_child : int
-number_of_scitizen : int
-rows : int[]
-columns : int[]
+Transaction(yyyy : int, mm : int, dd : int, cname : String, mobile_no : String, email : String, adult : int, child : int, scitizen : int, premium : int, couple : int)
-calculateTotalFare() : double
MovieGoer
+listMovies() : void
+viewMovieDetails() : void
+viewMovieShowTimes() : void
+checkSeatAvailability() : void
+bookTickets() : void
+checkTransactionHistory() : void
+listTopSalesMovies() : void
+listTopRatedMovies() : void
+reviewMovie() : void
Review
-movie_title : String
-overall_rating : double
-reviewers : String[]
-comments : String[]
-ratings : double[]
+Review(movie_title : String, overall_rating : double, reviewers : String[], comments : String[], ratings : double[])
+addReview(reviewer_name : String, comment : String, rating : double)
reviewer at i-th position maps to i-th position of comments and ratings
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