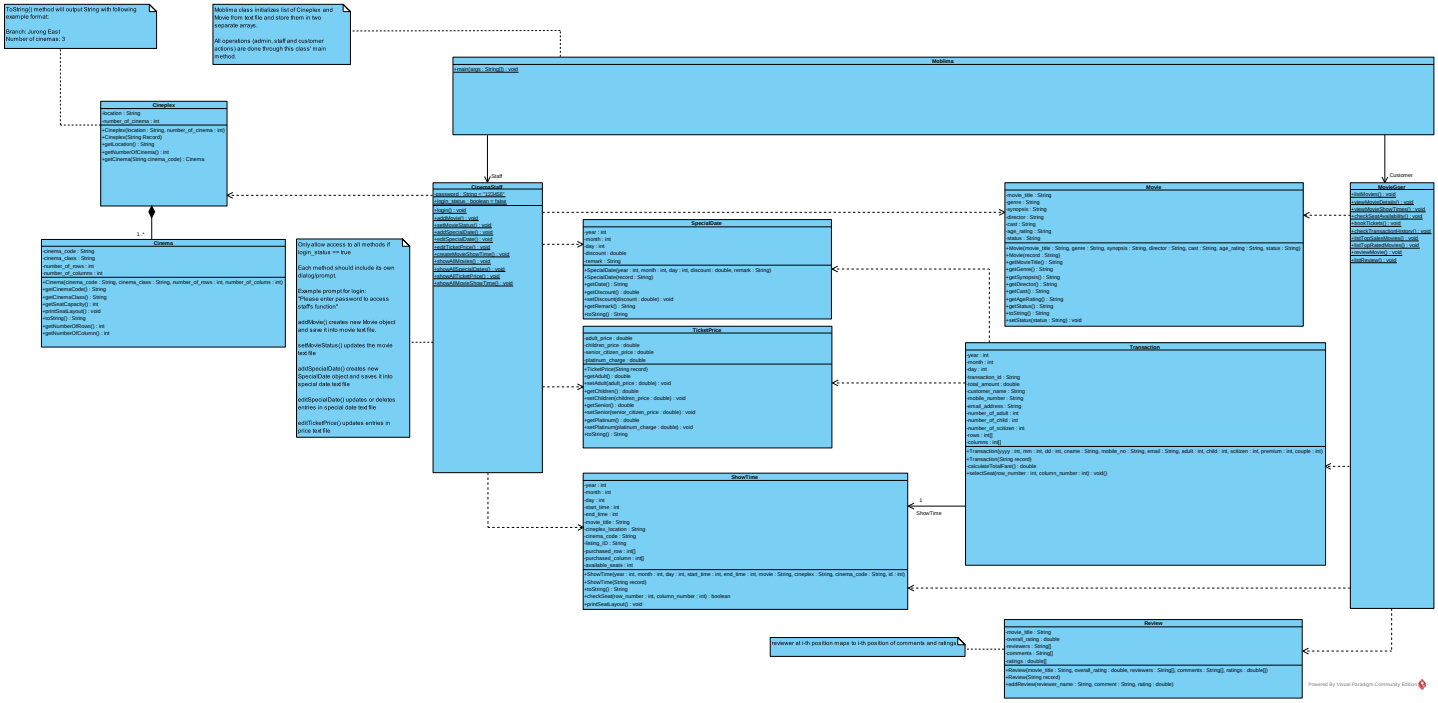
ToString() method will output String with following example format:
Branch: Jurong East
Number of cinemas: 3
Mobilina class initialises list of Cineplex and Movie from text file and store them in two separate arrays.
All operations (admin, staff and customer actions) are done through this class' main method.
Mobilina
+mainArgs : String[] : void
Cineplex
-location : String
-number_of_cinema : int
+Cineplex(location : String, number_of_cinema : int)
+Cineplex(String Record)
+getLocation() : String
+getNumberOfCinema() : int
+getCinema(String cinema_code) : Cinema
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_colums : int)
+getCinemaCode() : String
+getCinemaClass() : String
+getSeatCapacity() : int
+printSeatLayout() : void
+toString() : String
+getNumberOfRows() : int
+getNumberOfColumns() : int
Staff
CinemaStaff
-password : String = "12345678"
-login_status : boolean = false
+login() : void
+addMovie() : void
+setMovieStatus() : void
+setSpecialDate() : void
+editSpecialDate() : void
+editTicketPrice() : void
+createMoveShowTimes() : void
+showAllMovies() : void
+showAllSpecialDates() : void
+showAllTicketPrices() : void
+showAllMoveShowTimes() : 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 staff's 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
SpecialDate
-year : int
-month : int
-day : int
-discount : double
-remark : String
+SpecialDate(year : int, month : int, day : int, discount : double, remark : String)
+getDate() : String
+getDiscount() : double
+setDiscount(discount : double) : void
+getRemark() : String
+toString() : String
TicketPrice
-adult_price : double
-children_price : double
-senior_citizen_price : double
-platinum_charge : double
+TicketPrice(String record)
+getAdult() : double
+setAdult(adult_price : double) : void
+getChildren() : double
+setChildren(children_price : double) : void
+getSenior() : double
+setSenior(senior_citizen_price : double) : void
+getPlatinum() : double
+setPlatinum(platinum_charge : double) : void
+toString() : String
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)
+Movie(record : String)
+getMovieTitle() : String
+getGenre() : String
+getSynopsis() : String
+getDirector() : String
+getCast() : String
+getAgeRating() : String
+getStatus() : String
+toString() : String
+setStatus(status : String) : void
MovieGoer
+listMovies() : void
+viewMoveDetails() : void
+viewMoveShowTimings() : void
+checkSeatAvailability() : void
+bookTickets() : void
+checkTransactionHistory() : void
+listTopSalesMovies() : void
+listTopDateMovies() : void
+reviewMovie() : void
+leaveing() : void
Transaction
-year : int
-month : int
-day : int
-transaction_id : String
-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)
+Transaction(String record)
-calculateTotalFare() : double
+selectSeat(row_number : int, column_number : int) : void()
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ShowTime
ShowTime
-year : int
-month : int
-day : int
-start_time : int
-end_time : int
-movie_title : String
-cineplex_location : String
-cinema_code : String
-listing_ID : String
-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)
+ShowTime(String record)
+toString() : String
+checkSeat(row_number : int, column_number : int) : boolean
+printSeatLayout() : void
reviewer at i-th position maps to i-th position of comments and ratings
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[])
+Review(String record)
+addReview(reviewer_name : String, comment : String, rating : double)
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