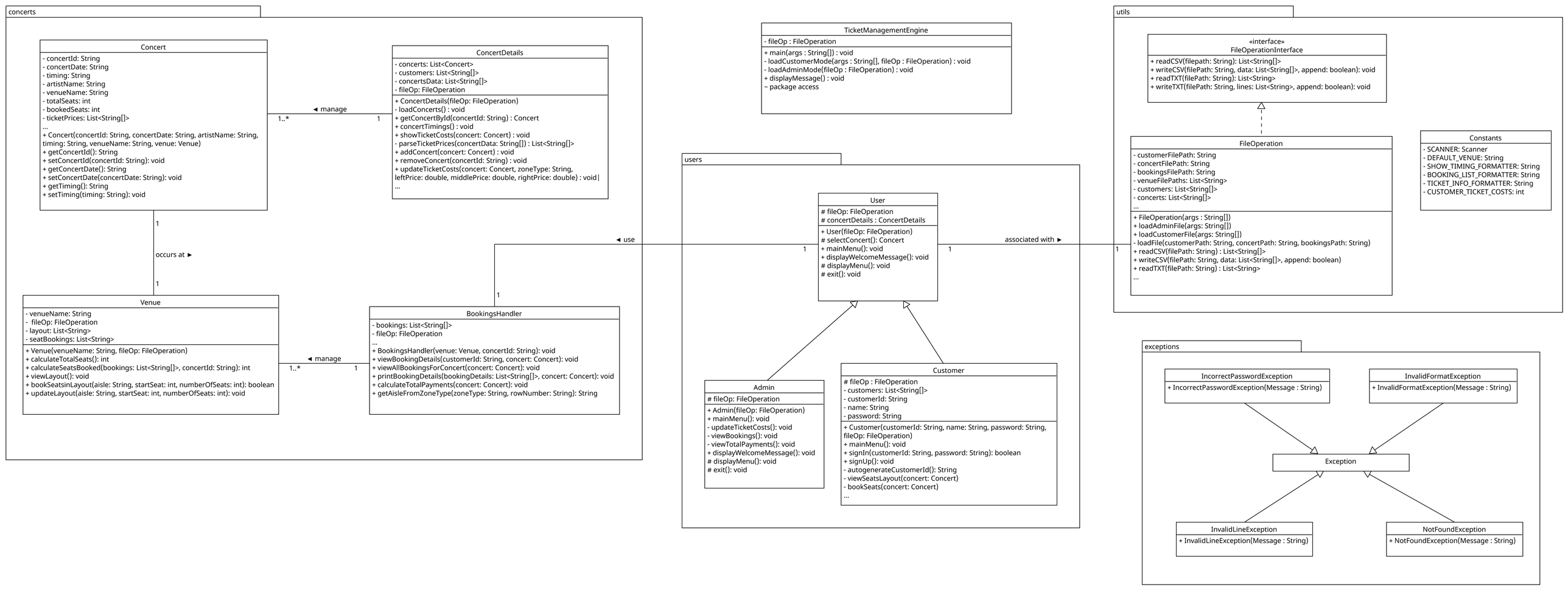
concerts
Concert
- concertId: String
- concertDate: String
- timing: String
- artistName: String
- venueName: String
- totalSeats: int
- bookedSeats: int
- ticketPrices: List<String[]>
...
+ Concert(concertId: String, concertDate: String, artistName: String, timing: String, venueName: String, venue: Venue)
+ getConcertId(): String
+ setConcertId(concertId: String): void
+ getConcertDate(): String
+ setConcertDate(concertDate: String): void
+ getTiming(): String
+ setTiming(timing: String): void
◄ manage
1..*
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ConcertDetails
- concerts: List<Concert>
- customers: List<String[]>
- concertsData: List<String[]>
- fileOp: FileOperation
+ ConcertDetails(fileOp: FileOperation)
- loadConcerts() : void
+ getConcertById(concertId: String) : Concert
+ concertTimings() : void
+ showTicketCosts(concert: Concert) : void
- parseTicketPrices(concertData: String[]) : List<String[]>
+ addConcert(concert: Concert) : void
+ removeConcert(concertId: String) : void
+ updateTicketCosts(concert: Concert, zoneType: String, leftPrice: double, middlePrice: double, rightPrice: double) : void
...
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occurs at ►
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Venue
- venueName: String
- fileOp: FileOperation
- layout: List<String>
- seatBookings: List<String>
+ Venue(venueName: String, fileOp: FileOperation)
+ calculateTotalSeats(): int
+ calculateSeatsBooked(bookings: List<String[]>, concertId: String): int
+ viewLayout(): void
+ bookSeatsinLayout(aisle: String, startSeat: int, numberOfSeats: int): boolean
+ updateLayout(aisle: String, startSeat: int, numberOfSeats: int): void
◄ manage
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BookingsHandler
- bookings: List<String[]>
- fileOp: FileOperation
...
+ BookingsHandler(venue: Venue, concertId: String): void
+ viewBookingDetails(customerId: String, concert: Concert): void
+ viewAllBookingsForConcert(concert: Concert): void
+ printBookingDetails(bookingDetails: List<String[]>, concert: Concert): void
+ calculateTotalPayments(concert: Concert): void
+ getAisleFromZoneType(zoneType: String, rowNumber: String): String
TicketManagementEngine
- fileOp : FileOperation
+ main(args : String[]) : void
- loadCustomerMode(args : String[], fileOp : FileOperation) : void
- loadAdminMode(fileOp : FileOperation) : void
+ displayMessage() : void
~ package access
◄ use
1
users
User
fileOp: FileOperation
concertDetails : ConcertDetails
+ User(fileOp: FileOperation)
# selectConcert(): Concert
+ mainMenu(): void
+ displayWelcomeMessage(): void
# displayMenu(): void
# exit(): void
1
associated with ►
1
Admin
fileOp: FileOperation
+ Admin(fileOp: FileOperation)
+ mainMenu(): void
- updateTicketCosts(): void
- viewBookings(): void
- viewTotalPayments(): void
+ displayWelcomeMessage(): void
# displayMenu(): void
# exit(): void
Customer
fileOp : FileOperation
- customers: List<String[]>
- customerId: String
- name: String
- password: String
+ Customer(customerId: String, name: String, password: String, fileOp: FileOperation)
+ mainMenu(): void
+ signIn(customerId: String, password: String): boolean
+ signUp(): void
- autogenerateCustomerId(): String
- viewSeatsLayout(concert: Concert)
- bookSeats(concert: Concert)
...
utils
«interface»
FileOperationInterface
+ readCSV(filepath: String): List<String[]>
+ writeCSV(filePath: String, data: List<String[]>, append: boolean): void
+ readTXT(filePath: String): List<String>
+ writeTXT(filePath: String, lines: List<String>, append: boolean): void
FileOperation
- customerFilePath: String
- concertFilePath: String
- bookingsFilePath: String
- venueFilePaths: List<String>
- customers: List<String[]>
- concerts: List<String[]>
...
+ FileOperation(args : String[])
+ loadAdminFile(args: String[])
+ loadCustomerFile(args: String[])
- loadFile(customerPath: String, concertPath: String, bookingsPath: String)
+ readCSV(filePath: String) : List<String[]>
+ writeCSV(filePath: String, data: List<String[]>, append: boolean)
+ readTXT(filePath: String) : List<String>
...
Constants
- SCANNER: Scanner
- DEFAULT_VENUE: String
- SHOW_TIMING_FORMATTER: String
- BOOKING_LIST_FORMATTER: String
- TICKET_INFO_FORMATTER: String
- CUSTOMER_TICKET_COSTS: int
exceptions
IncorrectPasswordException
+ IncorrectPasswordException(Message : String)
InvalidFormatException
+ InvalidFormatException(Message : String)
Exception
InvalidLineException
+ InvalidLineException(Message : String)
NotFoundException
+ NotFoundException(Message : String)