

Controller

BossController

- ❑ cart: Cart
- ❑ userMgmt: UserManager
- ❑ financialController: FinancialController
- ❑ dbController: DatabaseController
- browseMovie(): JsonObject
- selectMovie(name: Movie): JsonObject
- selectTheatre(theatreId: int): JsonObject
- selectShowTime(date: String): JsonObject
- selectSeat(seatRow: int, seatCol: int): JsonObject
- registerUser(name: String, password: String, cardType: String, cardNum: String, email: String)
- refundTicket(receiptNum: int): JsonObject
- checkout(): JsonObject
- verifyPayment(cardType: char, cardNum: int, cardPin: int): JsonObject
- payAnnual(userId: int): JsonObject
- issueMovieNews(news: File): JsonObject

FinancialController

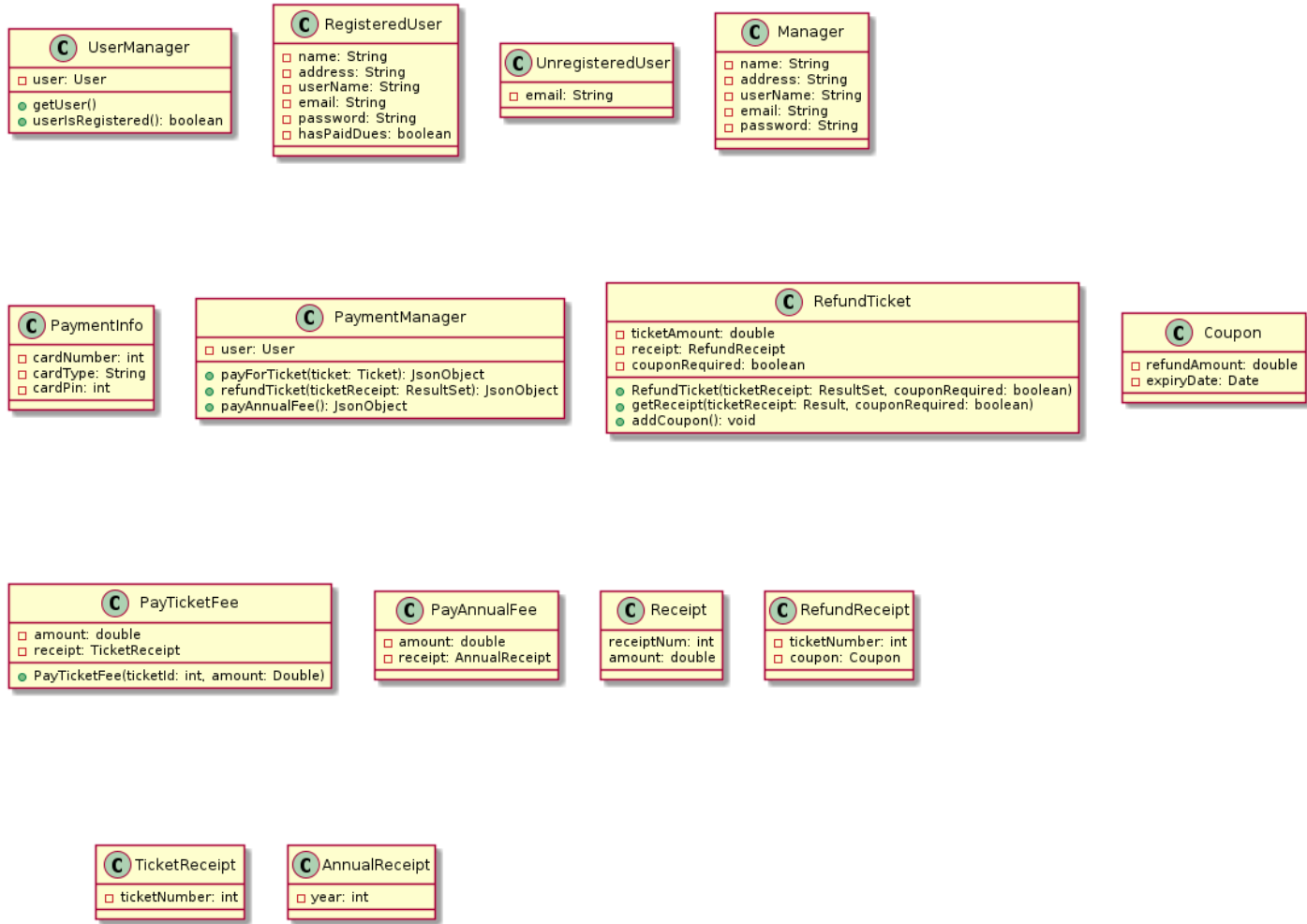
- FinancialController()
- processPayment(paymentInfo: JsonObject): boolean
- processRefund(paymentInfo: JsonObject): boolean

DataBaseController

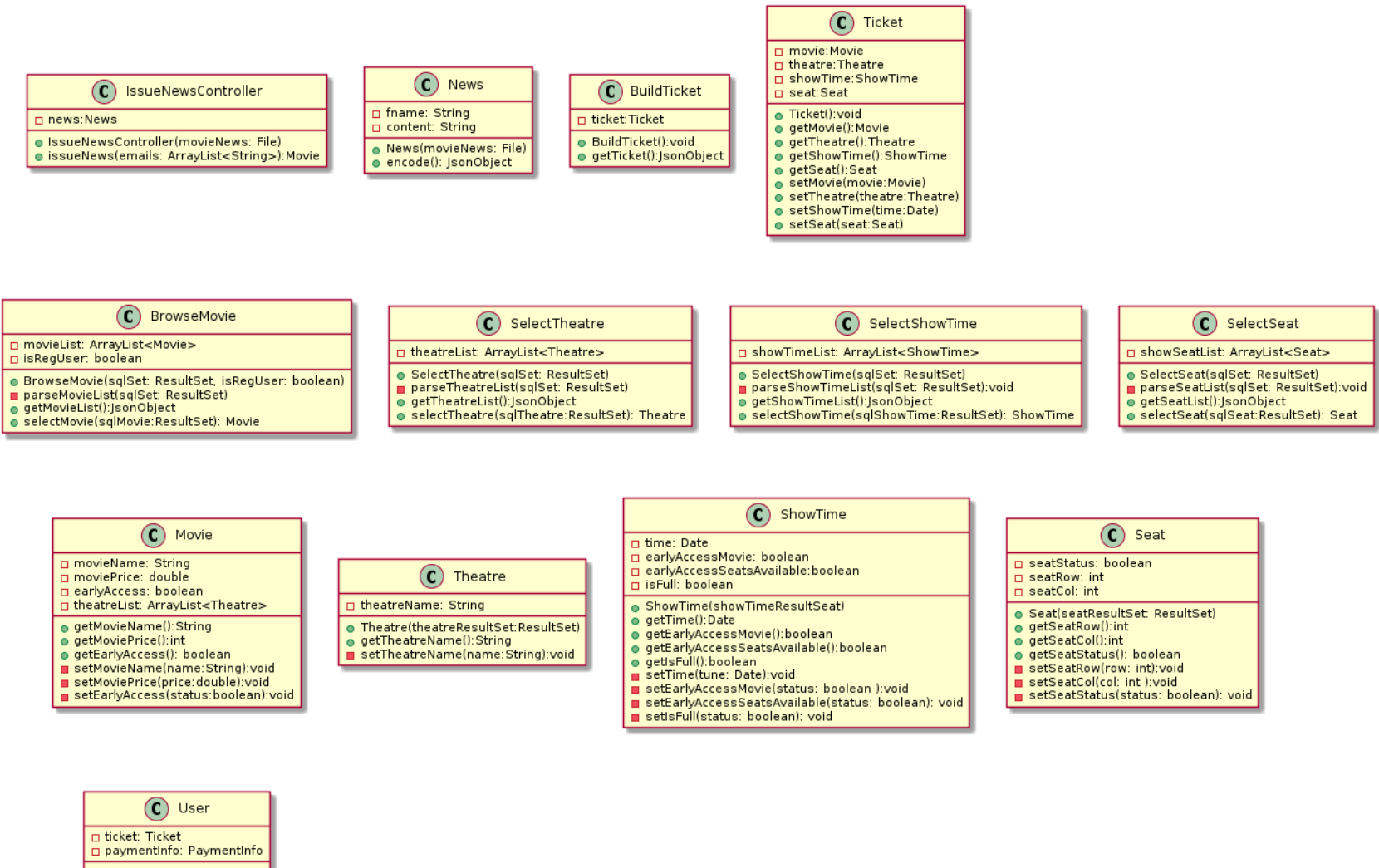
- ❑ connection: Connection
- ❑ connectionInfo: String
- ❑ username: String
- ❑ password: String
- getUser(userId: int): ResultSet
- getRegisteredUserList(): ResultSet
- updateRegisteredUserPayment(userId: int, cardNumber: int, cardType: char): boolean
- registerUser(name: String, password: String, cardType: String, cardNum: String, email: String): void
- getRegisteredUserEmails(): ResultSet
- getMovieList(): ResultSet
- getMovie(movieName: String): ResultSet
- getTheatreList(): ResultSet
- getTheatre(movieName: String, theatreId: int): ResultSet
- getShowTimeList(): ResultSet
- getShowtime(movieName: String, theatreId: int, showtimeDate: date): ResultSet
- updateShowtimeAvailability(ticket: JsonObject): void
- getSeatList(): ResultSets
- getSeat(movieName: String, theatreId: int, showtimeDate: Date, seatNum: int): ResultSet
- insertTicket(ticket: JsonObject): void
- getReceipt(receiptId: int): ResultSet
- returnTicket(receiptId: int): void
- insertReceipt(receipt: JsonObject): void

Model

UserModel

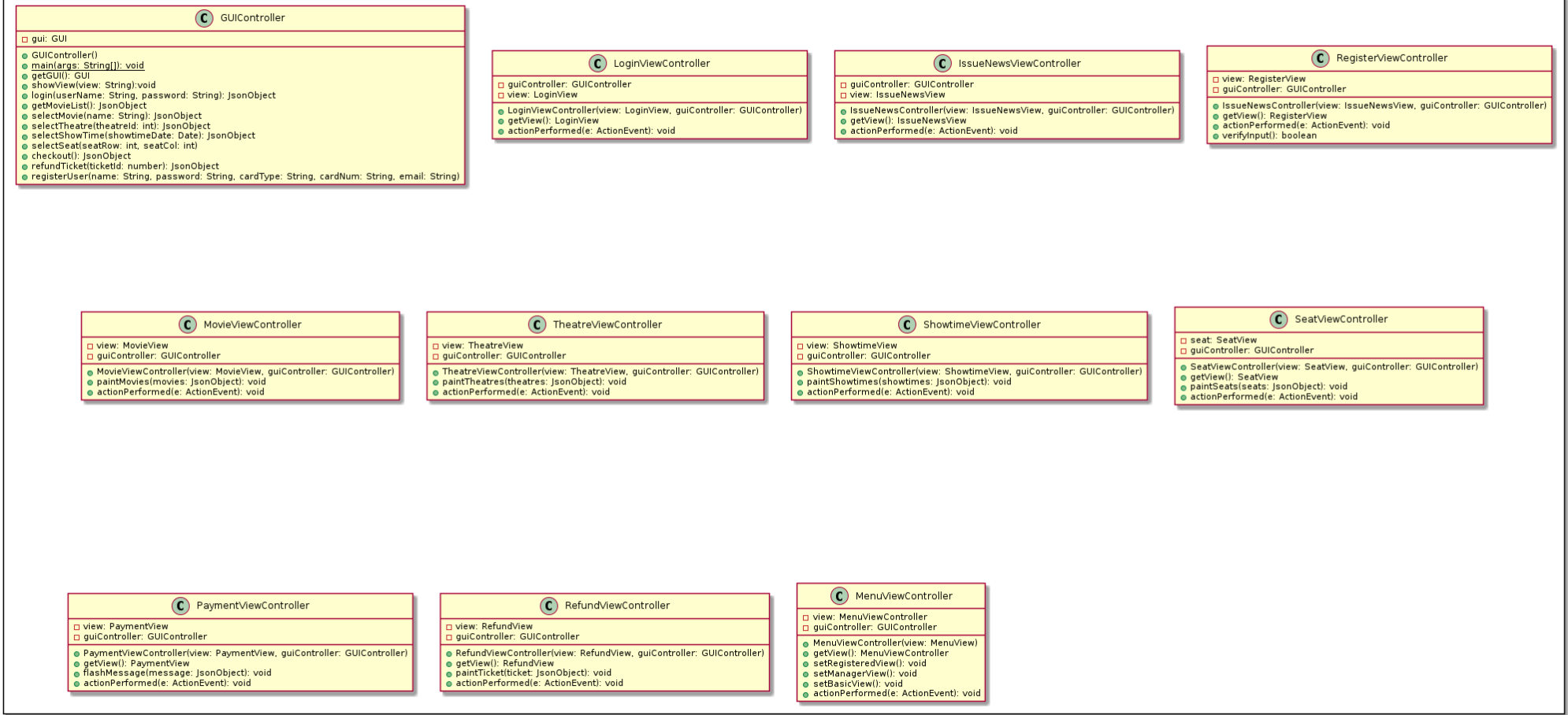


TheatreModel



View

ViewControllers



Views

