<<enumeration>> LiveEventCategory

MUSIC PERFORMANCE

<<enumeration>> AgeRestrictionCategory

ALL ADULTS

CardDetails

- cardNo: String
- secCode: String
- + CardDetails(cardNo, secCode)
- + getCardNo(): String
- + getSecCode(): String

Ticket

- event: Event
- ticketPrice: double
- + getEvent(): Event
- + getTicketPrice(): double
- + toString(): String

Receipt

Basket

+ addTicket(ticket, quant)

+ getTotalPrice(): double

+ clearBasket(): void

+ getTickets(): List<Tickets>

- tickets: List<Ticket>

- amount: double
- paymentMethod: String
- email: String
- cardDets: CardDetails
- billingAddress: Address
- + Receipt(amount,
- paymentMethod, email, cardDets,
- + generateReceipt(): String
- + toString(): String

Address

- houseNumber: String
- postcode: String
- city: String
- + Address(houseNumber, postcode, city)
- + getHouseNumber(): String
- + getPostcode(): String
- + getCity(): String
- + getFullAddress(): String
- + toString(): String

<<abstract>> LiveEvent

- eventID: String
- eventName: String
- liveEventCategory: LiveEventCategory
- performanceFee: doublequantityInStock: int
- restriction: AgeRestrictionCategory
- ticketPrice: double
- + getAgeRestriction(): AgeRestrictionCategory
- + getEventCategory(): LiveEventCategory
- + getEventID(): String
- + getEventName(): String
- + getPerformanceFee(): double
- + getQuantityInStock(): int
- + getTicketPrice(): double
- + setQuantityInStock(newQuantityInStock): void
- + toString(): String

CreditCard

- cardDetails: CardDetails
- + CreditCard(cardDetails)
- + processPayment(amount, fullAddress): Receipt

<<Interface>> PaymentMethod

+ processPayment(amount, fullAddress): Reciept

PayPal

- email: String
- + processPayment(amount, fullAddress): Receipt

Event

- eventID: String
- eventName: String
- eventType: String
- restriction: AgeRestrictionCategory
- quantityInStock: int
- performanceFee: double
- ticketPrice: double
- liveEventCategory: LiveEventCategory
- additionalInfo: String
- + Event(eventID, eventName, eventType, restriction, quantityInStock, performanceFee, ticketPrice, liveEventCategory, additionalInfo)
- + getEventType(): String
- + getAdditionalInfo(): String

<<abstract>> User

- # userID: String # username: String # name: String # address: Address # role: String
- + User(userID, username, name, address,
- + accessEventDetails(): List<String>

Customer

- userID: String
- username: String
- name: String
- address: Address
- + accessEventDetails(): List<String>
- + searchById(id): List<String>
- + searchByLang(lang): List<String>
- + createTicket(id): Ticket
- + getAddress(): Address

Admin

- userID: String
- username: String
- name: String
- address: Address
- role: String
- + Admin(userID, username, name, address)
- + accessEventDetails(): List<String>
- + addEvent(id, category, type, name, ageRestriction, quantity, fee, price, extraInfo): boolean