**Question 01**

1. **TheatreGroup**

* Attributes: name, location
* Operations: getShowSchedule(), calculateTicketPrice()

1. **Show**

* Attributes: showID, title, schedule, seatSections
* Operations: getSeatSections(), calculateTotalAmount()

1. **SeatSection**

* Attributes: sectionID, sectionName, seatPrice
* Operations: getAvailableSeats()

1. **Customer**

* Attributes: customerID, name, address, creditCardType
* Operations: makePurchase(), chooseSeats()

1. **Purchase**

* Attributes: purchaseID, show, customer, selectedSeats, totalAmount, paymentMethod
* Operations: processPayment(), issueTickets()

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| **SeatSection** |
| sectionID sectionName  seatPrice |
| getAvailableSeats() |

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| **TheatreGroup** |
| Name  Location |
| getShowSchedule()  calculateTicketPrice() |

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| **Show** |
| showID  title  schedule  seatSections |
| getSeatSections()  calculateTotalAmount() |

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| **Purchase** |
| purchaseID  show  customer selectedSeats totalAmount paymentMethod |
| processPayment() issueTickets() |

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| **Customer** |
| customerID name  address  creditCardType |
| makePurchase()  chooseSeats() |

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