Project Name: Online Ticket Booking (Movie Theatre)

PREPARED FOR

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Course Name: **OBJECT ORIENTED ANALYSIS AND DESIGN**

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SECTION: **K**

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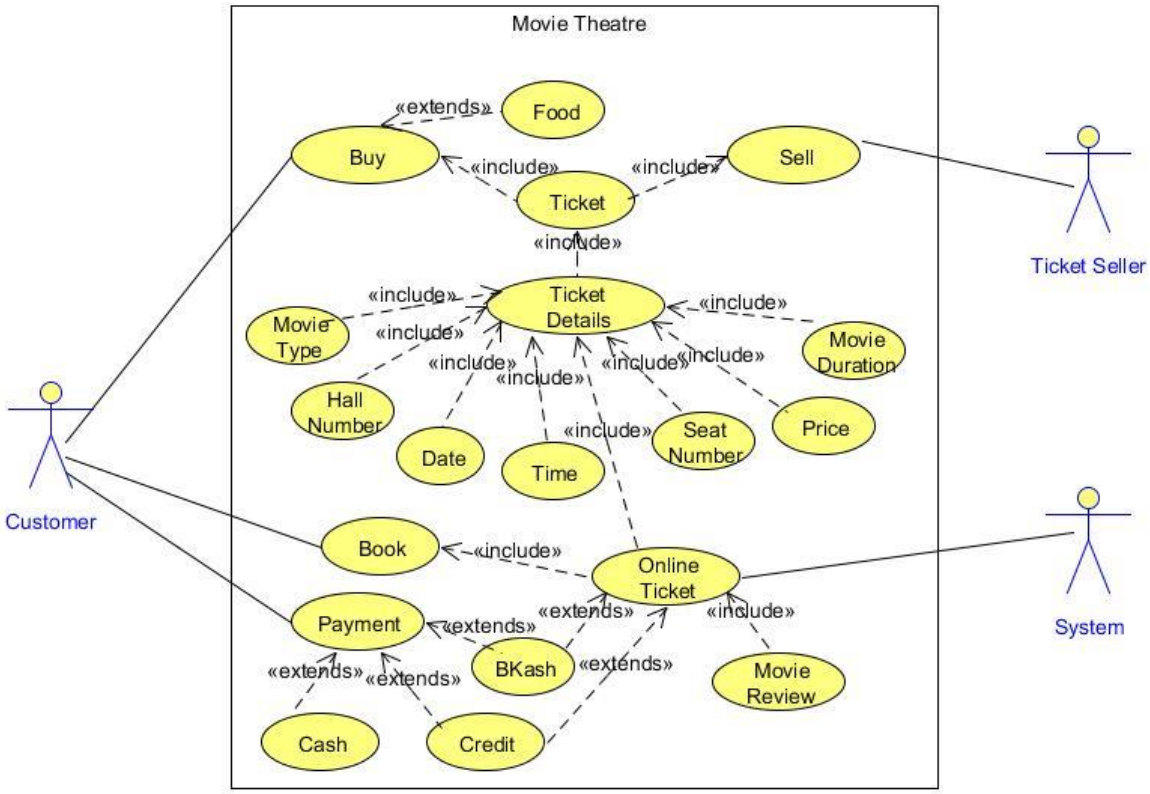
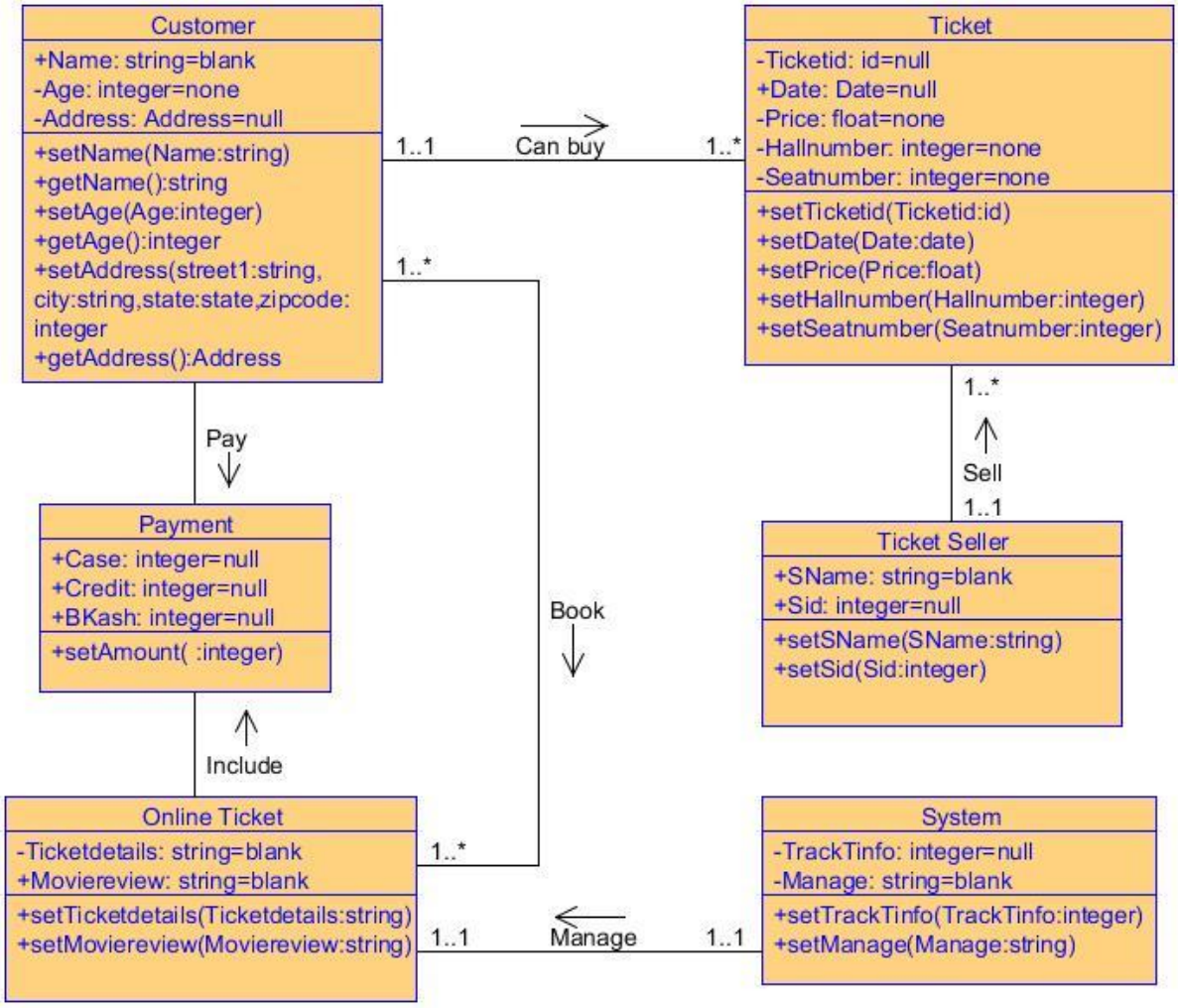
Scenario

In a movie theatre a customer can buy ticket. Ticker will be included date, time, seat number, price, movie type, hall number, movie duration. A customer can also buy food. A ticket seller sells ticket. A system deals with online ticket booking. Customer can also book ticket online and it will be included movie review. A customer done his payment by cash, credit or bkash and in online they can pay by credit or bkash.

Use Case



Class Diagram



CRC Card

Customer	
Customer can buy ticket Customer book ticket online Check movie review Customer pay by cash, credit or bkash	Ticket Online Ticket Payment

Ticket	
Ticket bought by customer Ticket sold by ticket seller	Customer Ticket seller

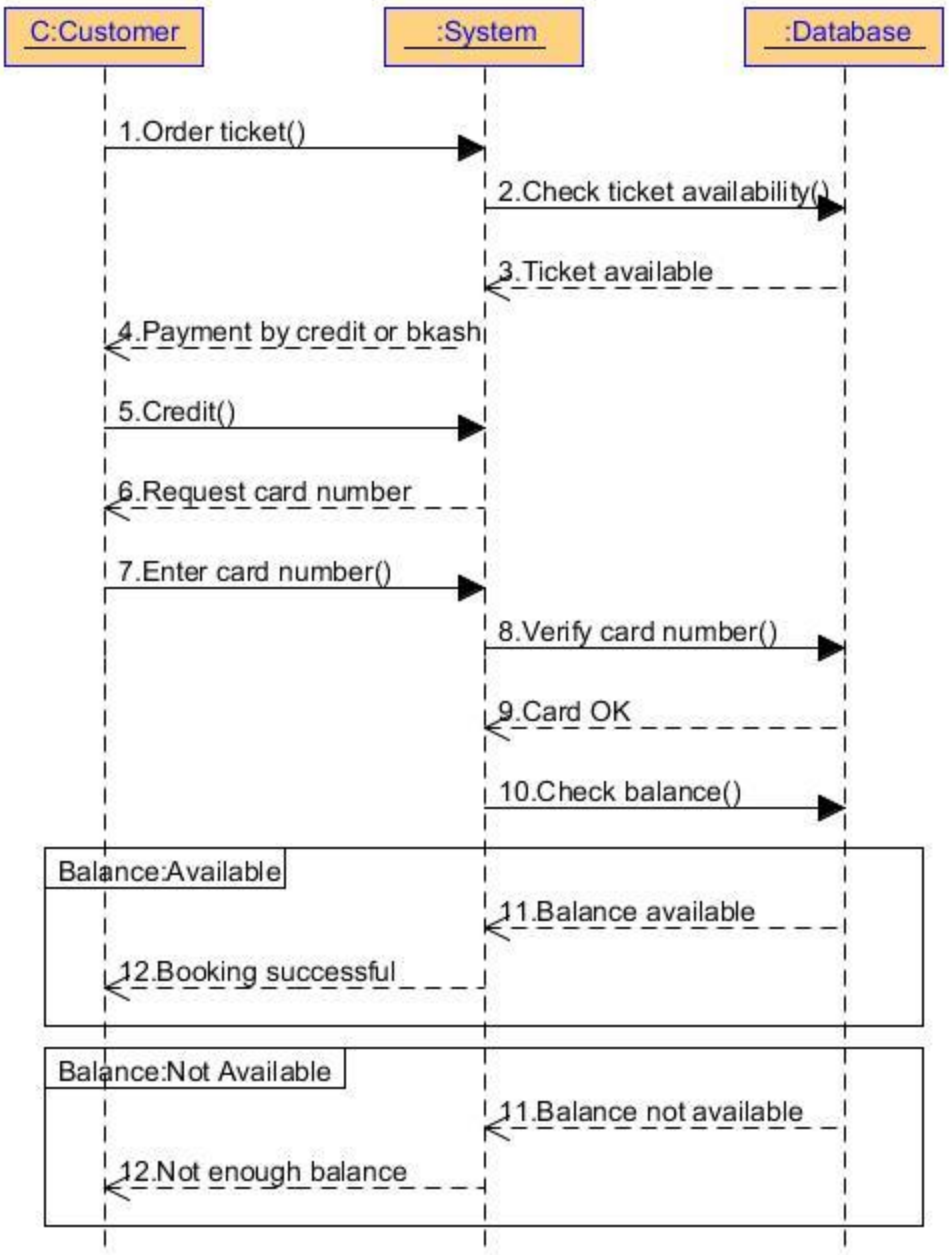
Ticket Seller	
Seller can sell ticket	Ticket

Customer	
Online Ticket booking manage by system	Online Ticket

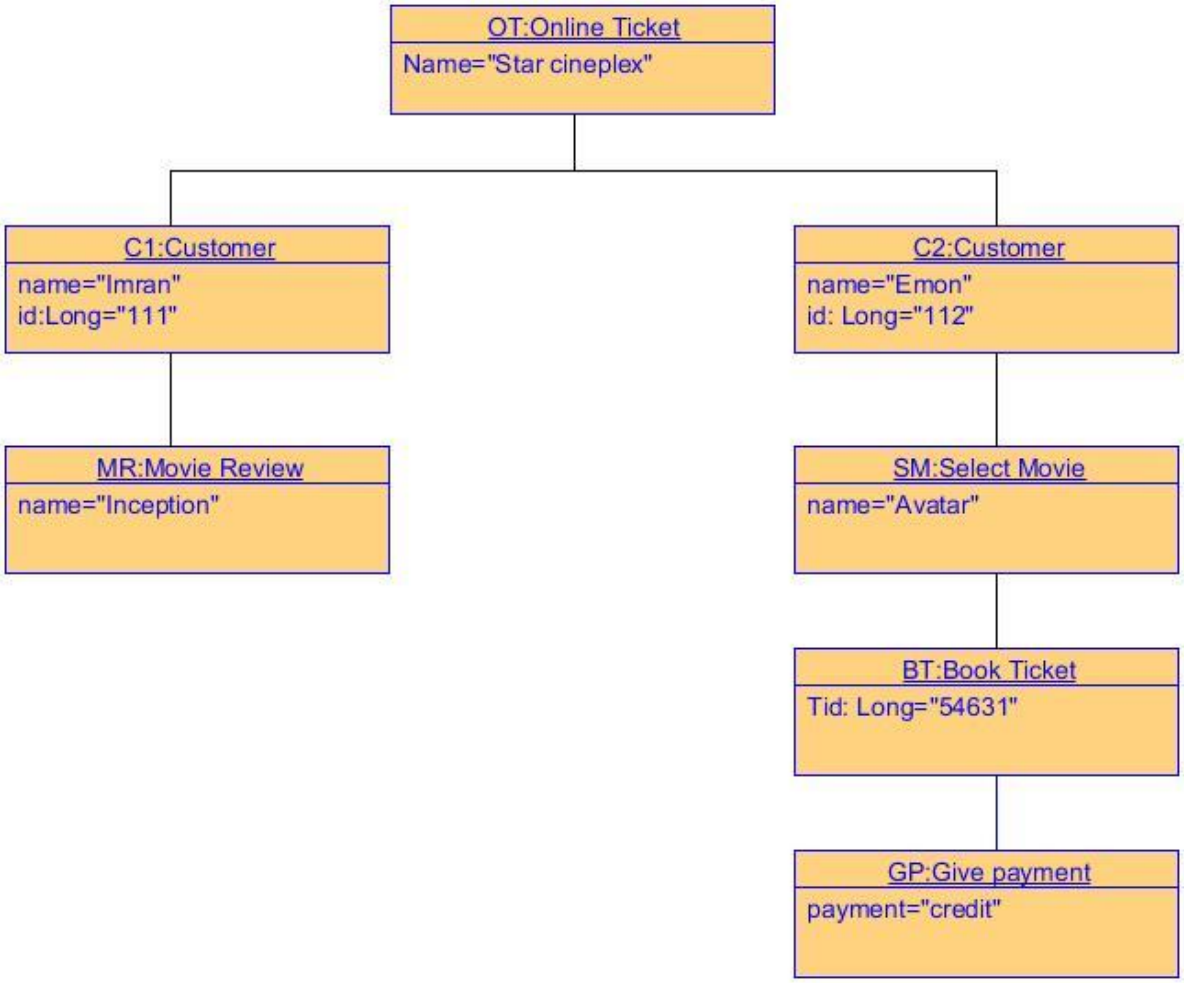
Online Ticket	
Customer book ticket online System deals with online ticket booking Online payment done by credit or bkash	Customer System Payment

Payment	
Customer done payment by cash,credit or bkash Customer pay for online ticket by credit or bkash	Customer Online Ticket

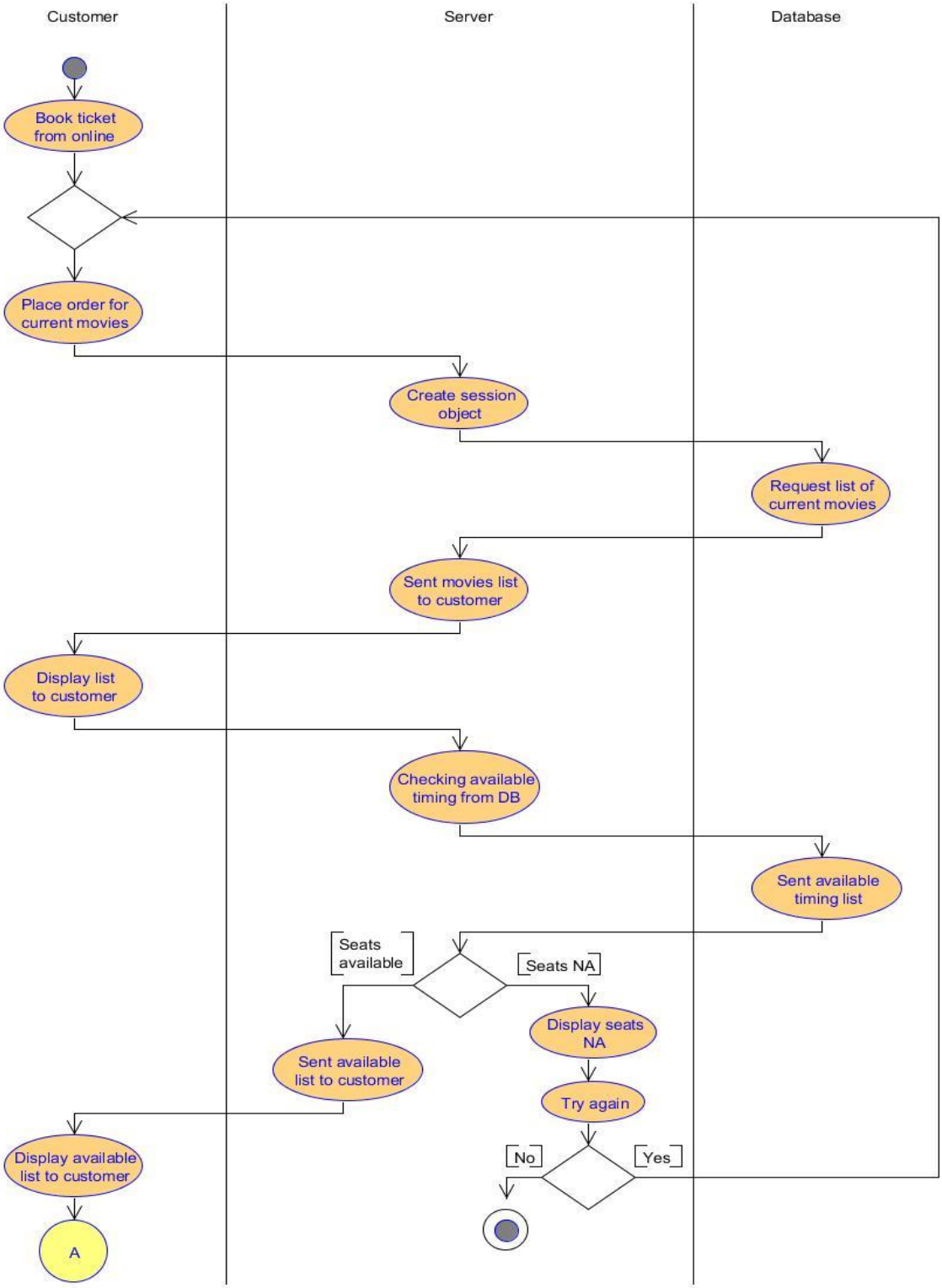
Sequence Diagram

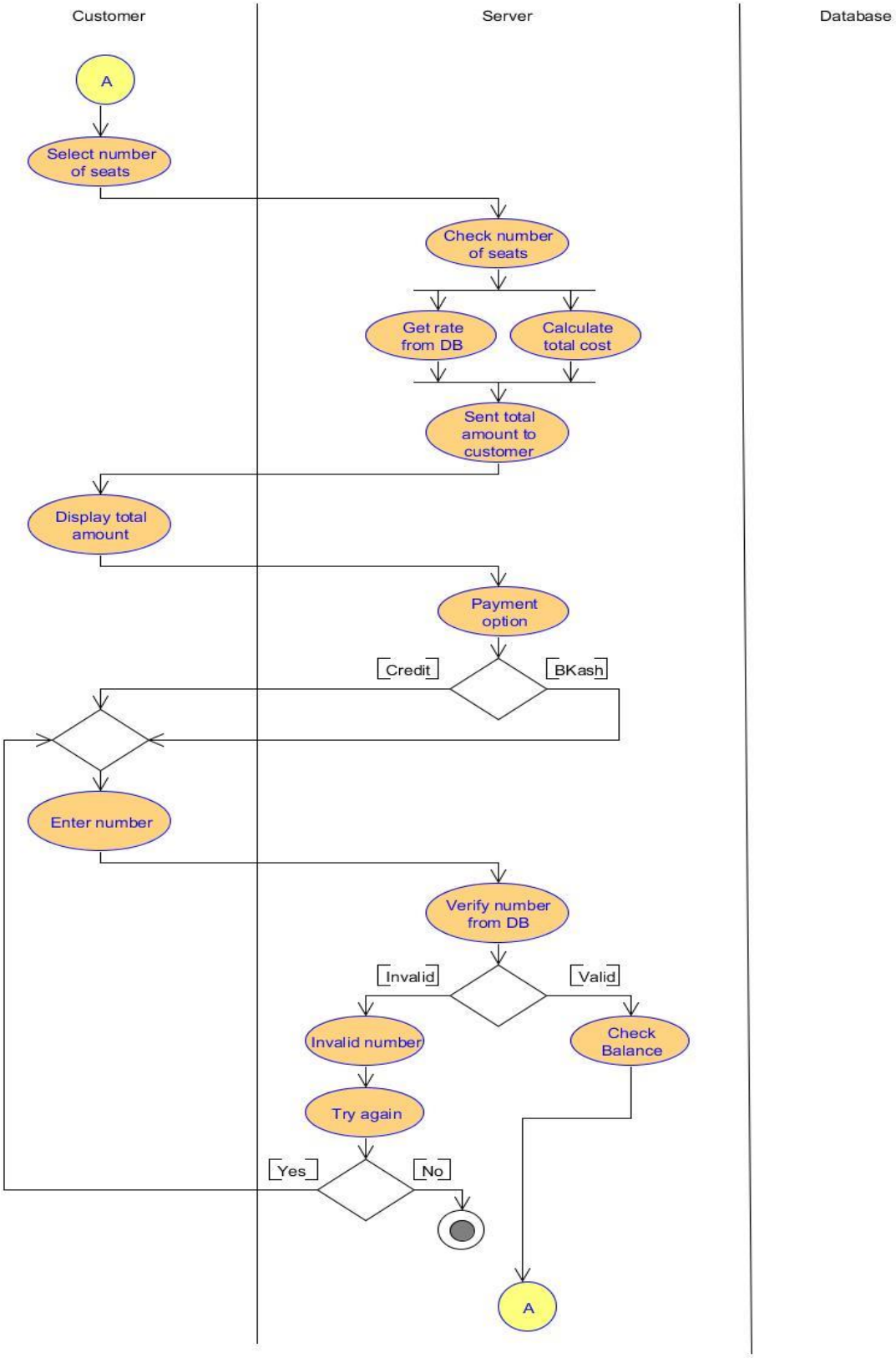


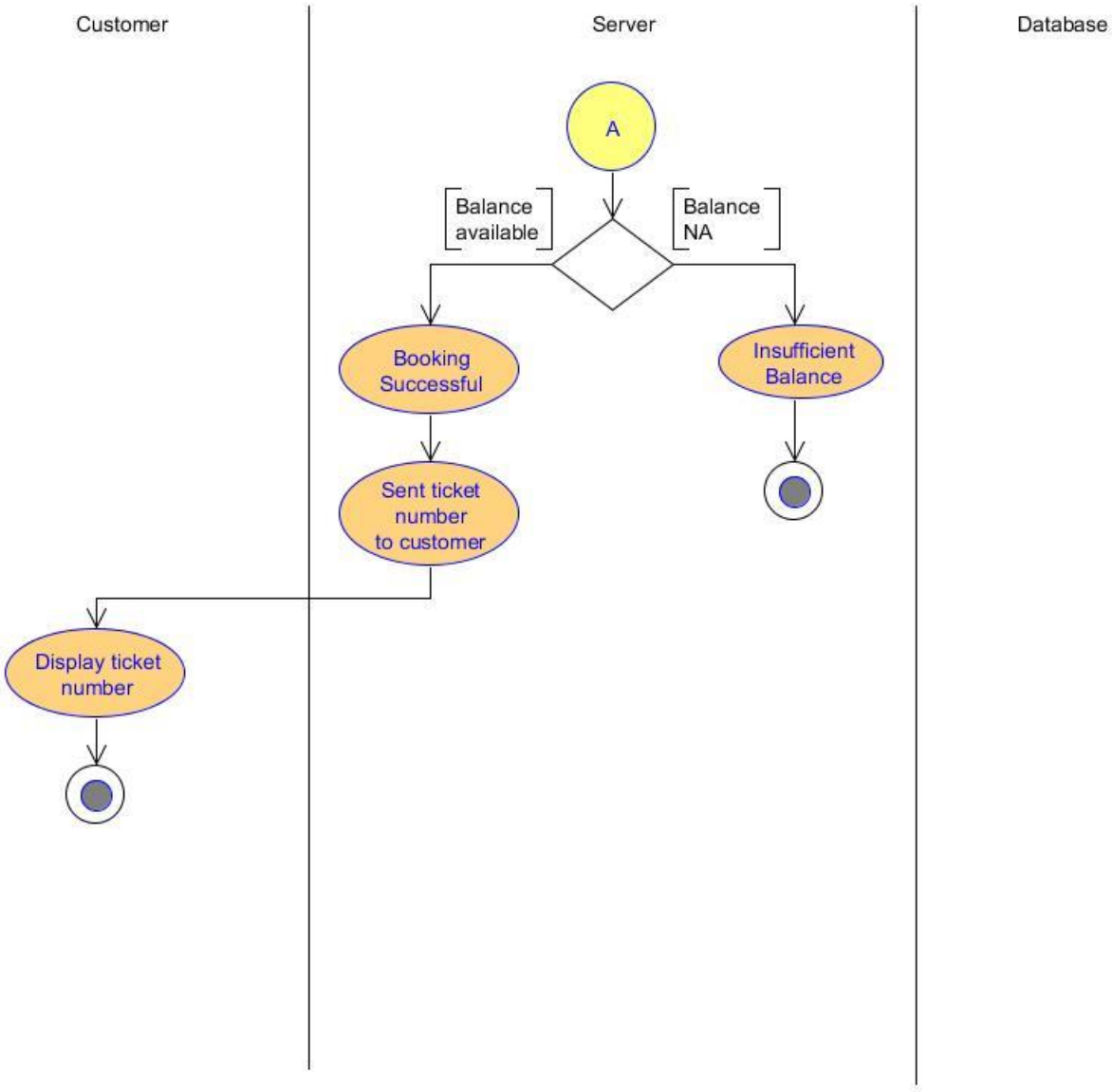
Object Diagram



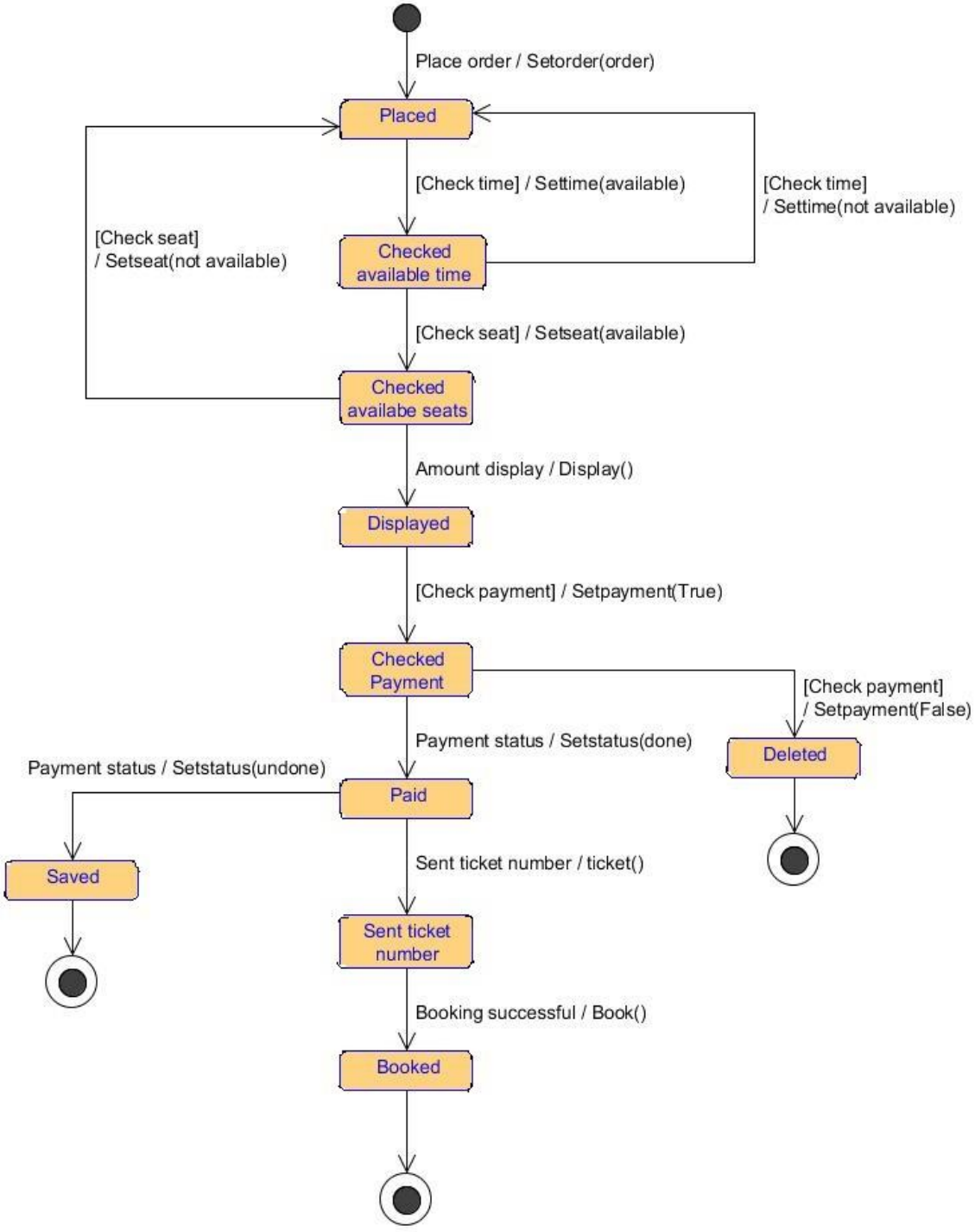
Activity Diagram




Customer
Server
Database
A
Select number of seats
Check number of seats
Get rate from DB
Calculate total cost
Sent total amount to customer
Display total amount
Payment option
Credit
BKash
Enter number
Verify number from DB
Invalid
Valid
Invalid number
Check Balance
Try again
Yes
No
A


Customer
Server
Database
A
Balance available
Balance NA
Booking Successful
Insufficient Balance
Sent ticket number to customer
Display ticket number

State chart Diagram



Costing Tools

PM= 50000(AC)
80000(Salary)
1000(Current Bill)
4000(Lunch)

$= \frac{135000}{22\text{day/month}}$

$= \frac{6750}{9\text{hour/per day}}$

= 750tk/hour

SA= 50000(AC)
65000(Salary)
1000(Current Bill)
3000(Lunch)

$= \frac{119000}{25\text{day/month}}$

$= \frac{4760}{8\text{hour/per day}}$

= 595tk/hour

Tester= 50000(AC)
30000(Salary)
1000(Current Bill)
3000(Lunch)

$= \frac{84000}{24\text{day/month}}$

$= \frac{3500}{8\text{hour/per day}}$

= 437tk/hour

Req Analysis

Role	HR Req	Total
PM	8	6000
SA	12	7140
Tester	4	1750

Total = 14890

System Design

Role	HR Req	Total
PM	5	3750
SA	10	5950

Total = 9700

∴ Total = Req Analysis + System Design = 14890 + 9700 = 24590