

Version 1.2

		:	
		:	
:	:	:	
:	:	: 2003/9/4	: 1.2

1. ER-DIAGRAM4

ERD.....4

ERD.....5

2. TABLE6

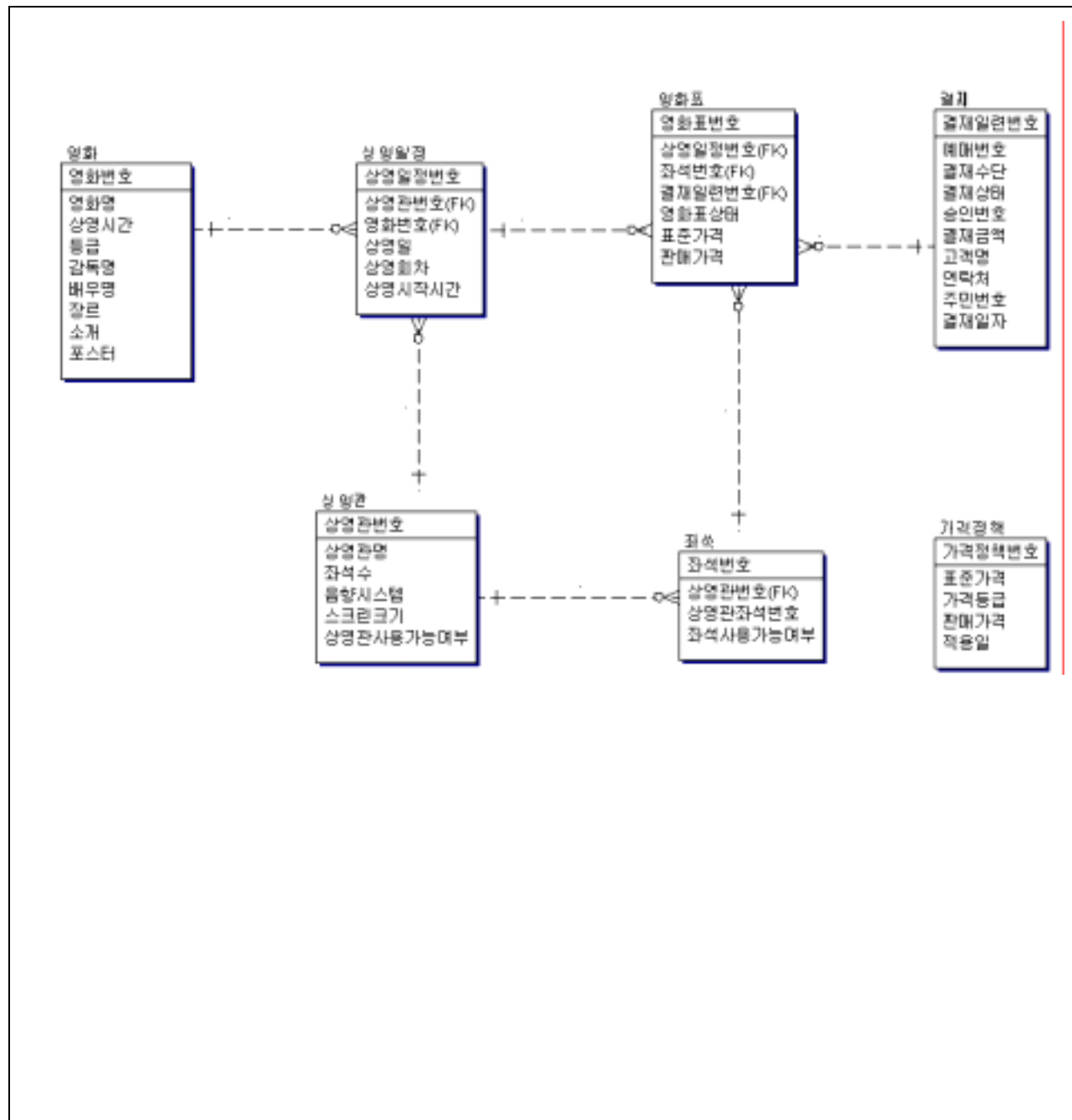
3.13

4. DDL.....15

:	:	:	
:	:	: 2003/9/4	: 1.2

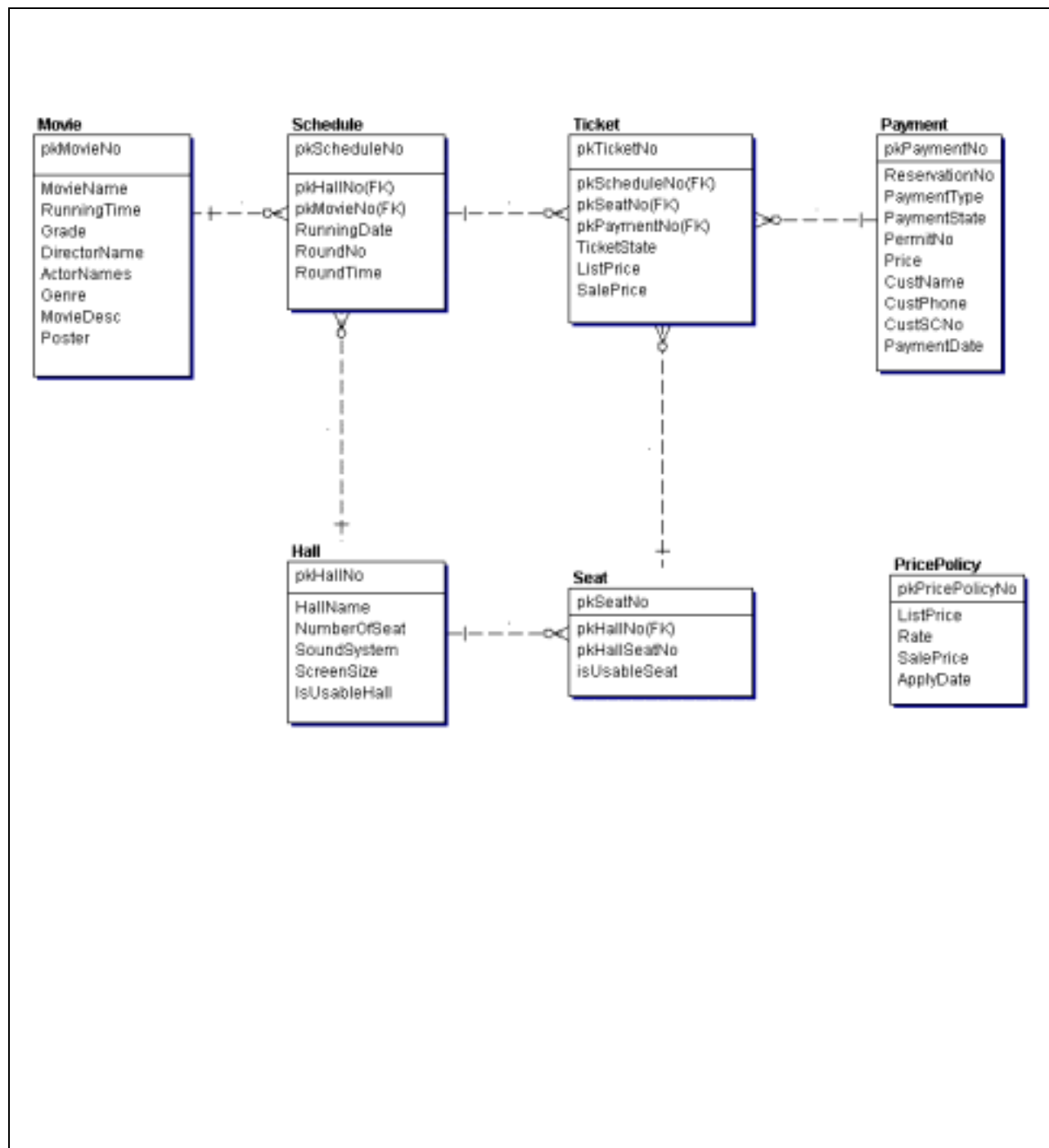
1. ER - Diagram

ERD



		:	
		:	
:	:	:	
:	:	: 2003/9/4	: 1.2

ERD



		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

2. Table

						1			
ID		Movie				2003-09-04			
					NULL	Default	Check	FK	
1		pkMovieNo	INTEGER	5	NOT NULL			NO	Sequence
2		MovieName	VARCHAR2	50	NOT NULL			NO	
3		RunningTime	INTEGER	5	NULL			NO	
4		Grade	CHAR	1	NULL		A, G	NO	A : Adult G: General
5		DirectorName	VARCHAR2	50	NULL			NO	
6		ActorNames	VARCHAR2	200	NULL			NO	
7		Genre	VARCHAR2	200	NULL			NO	
8		MovieDesc	VARCHAR2	4000	NULL			NO	
9		Poster	VARCHAR	300	NULL			NO	
PK_Movie ()									

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

						2			
ID		Schedule				2003-09-04			
					NULL	Default	Check	FK	
1		pkScheduleNo	INTEGER	5	NOT NULL			NO	Sequence
2		pkHallNo	INTEGER	5	NOT NULL			YES	
3		pkMovieNo	INTEGER	5	NOT NULL			YES	
4		RunningDate	DATE	8	NOT NULL			NO	
5		RoundNo	INTEGER	5	NOT NULL			NO	
6		RoundTime	DATE	8	NOT NULL			NO	
PK_Schedule ()									
IX_U_Schedule		+ + +					Unique		

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

							3		
ID		Ticket					2003-09-04		
					NULL	Default	Check	FK	
1		pkTicketNo	INTEGER	5	NOT NULL			NO	Sequence
2		pkSeatNo	INTEGER	5	NOT NULL			YES	
3		pkPaymentNo	INTEGER	5	NOT NULL			YES	
4		TicketState	CHAR	1	NOT NULL	N	N, O	NO	Y : O :
5	가	ListPrice	INTEGER	5	NULL		>= 0	NO	
6	가	SellPrice	INTEGER	5	NULL		>= 0	NO	
PK_Ticket ()									
IX_U_Ticket		+					Unique		

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

						4			
ID	Payment					2003-09-04			
					NULL	Default	Check	FK	
1		pkPaymentNo	INTEGER	5	NOT NULL			NO	Sequence
2		ReservateionNo	INTEGER	5	NULL			YES	
3		PaymentType	CHAR	1	NOT NULL	C	O, C	YES	O : CASH C :
4		PaymentState	CHAR	1	NOT NULL	N	Y, N	NO	Y : N :
5		PermitNo	INTEGER	5	NULL			NO	
6		Price	INTEGER	5	NULL			NO	
7		CustName	VARCHAR2	50	NULL			NO	
8		CustPhone	VARCHAR2	20	NULL			NO	
9		CustSCNo	VARCHAR2	14	NULL			NO	
10		PaymentDate	DATE	8	NULL			NO	
PK_Payment ()									

		:	
		:	
:	:	:	
:	:	: 2003/9/4	: 1.2

							5		
ID		Hall					2003-09-04		
					NULL	Default	Check	FK	
1		pkHallNo	INTEGER	5	NOT NULL			NO	Sequence
2		HallName	VARCHAR2	20	NOT NULL			NO	
3		NumberOfSeat	INTEGER	5	NULL			NO	
4		SoundSystem	CHAR	1	NULL		N, T, D, S	NO	N : Basic T : DTS D : Dolby S : Surrund
5		ScreenSize	INTEGER	5	NULL			NO	
6	가	IsUsableHall	SMALLINT	2	NOT NULL	1		NO	1 : 가 0 : 가
PK_Hall ()									

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

						6			
ID		Seat				2003-09-04			
					NULL	Default	Check	FK	
1		pkSeatNo	INTEGER	5	NOT NULL			NO	Sequence
2		pkHallNo	INTEGER	5	NOT NULL			YES	
3		pkHallSeatNo	INTEGER	5	NOT NULL			YES	
4	가	isUsableSeat	SMALLINT	1	NOT NULL	1		NO	1 : 가 0 : 가
PK_Seat()									
IX_U_Seat		+					Unique		

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

					7				
ID		PricePolicy			2003-09-04				
		가							
					NULL	Default	Check	FK	
1	가	pkPricePolicyNo	INTEGER	5	NOT NULL			NO	Sequence
2	가	ListPrice	INTEGER	5	NOT NULL			NO	
3	가	Rate	CHAR	1	NULL		A, M C	NO	A : M: , C :
4	가	SellPrice	INTEGER	5	NOT NULL			NO	
5		ApplyDate	DATE	8	NULL			NO	
PK_PricePolicy (가)									

		:	
		:	
:	:	:	
:	:	: 2003/9/4	: 1.2

3.

	()		CHAR(1)
	ID		
1	G	General (가)	
2	A	Adult (가)	

			CHAR(1)
		가	
	ID		
1	N	Not act out ()	
2	O	act Out ()	

			CHAR(1)
	ID		
1	O	mOney (– Cash)	
2	C	Credit ()	

			CHAR(1)
		가	
	ID		
1	Y	Yes	
2	N	No	

			CHAR(1)

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

	가	
	ID	
1	N	Normal (Basic)
2	T	Digital Theater System
3	D	Dolby
4	S	Surround

	가		CHAR(1)
	가		
	ID		
1	A	Adult ()	
2	M	Student (,)	
4	C	Child ()	

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

4. DDL

Movie
<pre> Create Table Movie(pkMovieNo Integer Not Null, MovieName Varchar(50) Not Null, RunningTime Integer, Grade Char(1), DirectorName Varchar(50), ActorNames Varchar(200), Genre Char(5), MovieDesc Varchar2(4000), Poster Varchar2(300), Constraint PK_Movie Primary Key (pkMovieNo)) PCTFree 40 PCTUsed 60 Tablespace DreamDB; Alter Table Movie Add Constatint CHK_MOVIE_GRADE Check (Grade In ('A', 'G')); Create Sequence Seq_Movie Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder; Create Trigger Trig_Movie Before Insert On Movie For Each Row Begin Select Seq_Movie.nextval into :new.pkMovieNo from dual; End;</pre>

Hall
<pre> Create Table Hall (pkHallNo Integer Not Null, HallName Varchar2(20) Not Null, NumberOfSeat Integer,</pre>

		:	
		:	
:	:	:	
:	:	: 2003/9/4	: 1.2

```

SoundSystem Char(1),
ScreenSize Integer,
IsUsableHall smallint Default 1,
Constraint PK_Hall Primary Key (pkHallNo)
)
PCTFree 5 PCTUsed 95
Tablespace DreamDB;

Alter Table Hall Add Constraint CHK_HALL_SOUNDSYSTEM
    Check ( SOUNDSYSTEM In ('N', 'T', 'D', 'S'));

Create Sequence Seq_Hall Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

Create Trigger Trig_Hall Before Insert On Hall For Each Row
Begin
    Select Seq_Hall.nextval into :new.pkHallNo from dual;
End;

```

Seat
<pre> Create Table Seat (pkSeatNo Integer Not Null, pkHallNo Integer Not Null References hall(pkHallNo) , pkHallSeatNo Integer Not Null, isUsableSeat SmallInt Default 1, Constraint PK_Seat Primary Key (pkSeatNo)) PCTFree 5 PCTUsed 95 Tablespace DreamDB; Create Unique Index IX_U_Seat ON Seat(pkHallNo, PkHallSeatNo) Tablespace Indx; </pre>

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

Create Sequence Seq_Seat Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

Create Trigger Trig_Seat Before Insert On Seat For Each Row

Begin

Select Seq_Seat.nextval into :new.pkSeatNo from dual;

End;

PricePolicy

Create Table PricePolicy (

pkPricePolicyNo Integer Not Null,

ListPrice Integer Not Null,

Rate Char(1),

SellPrice Integer Not Null,

ApplyDate Date,

Constraint PK_PricePolicy Primary Key (pkPricePolicyNo)

)

PCTFree 10 PCTUsed 90

Tablespace DreamDB

Alter Table PricePolicy Add Constraint CHK_PRICEPOLICY_RATE

Check (Rate In ('A', 'M', 'C'));

Create Sequence Seq_PricePolicy Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

Create Trigger Trig_PricePolicy Before Insert On PricePolicy For Each Row

Begin

Select Seq_PricePolicy.nextval into :new.pkPricePolicyNo from dual;

End;

Schedule

Create Table Schedule (

pkScheduleNo Integer Not Null,

pkHallNo Integer Not Null references Hall(pkHallNo),

pkMovieNo Integer Not Null references Movie(pkMovieNo),

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

```

RunningDate Date Not Null,
RoundNo Integer Not Null,
RoundTime Date Not Null,
Constraint PK_Schedule Primary Key (pkScheduleNo)
)
PCTFree 5 PCTUsed 95
Tablespace DreamDB

Create Unique Index IX_U_Schedule
On Schedule(RunningDate, RoundNo, pkHallNo, pkMovieNo)
Tablespace Indx;

Create Sequence Seq_Schedule Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

Create Trigger Trig_Schedule Before Insert On Schedule For Each Row
Begin
    Select Seq_Schedule.nextval into :new.pkScheduleNo from dual;
End;
```

Payment
<pre> Create Table Payment (pkPaymentNo Integer Not Null, ReservationNo Integer , PaymentType Char(1) Default 'C', PaymentState Char(1) Default 'N', PermitNo Integer, Price Integer, CustName Varchar2(50), CustPhone Varchar2(20), CustSCNo Varchar2(14), PaymentDate Date, Constraint PK_Payment Primary Key (pkPaymentNo)) PCTFree 20 PCTUsed 80 Tablespace DreamDB;</pre>

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

```

Alter Table Payment Add Constraint CHK_PAYMENT_PAYMENTTYPE
    Check ( PaymentType In ('O', 'C'));
Alter Table Payment Add Constraint CHK_PAYMENT_PAYMENTSTATE
    Check ( PaymentState In ('Y', 'N'));

```

```

Create Sequence Seq_Payment Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

```

```

Create Trigger Trig_Payment Before Insert On Payment For Each Row
Begin
    Select Seq_Payment.nextval into :new.pkPaymentNo from dual;
End;

```

Ticket

```

Create Table Ticket (
    pkTicketNo Integer Not Null,
    pkSeatNo Integer Not Null,
    pkPaymentNo Integer Not Null,
    TicketState Char(1) Default 'N',
    ListPrice Integer,
    SellPrice Integer,
    Constraint PK_Ticket Primary Key (pkTicketNo)
)

PCTFree 5 PCTUsed 95
Tablespace DreamDB

Alter Table Ticket Add Constraint CHK_TICKET_TICKETSTATE
    Check ( TicketState In ('N', 'O'));
Alter Table Ticket Add Constraint CHK_TICKET_LISTPRICE
    Check ( ListPrice >= 0 );
Alter Table Ticket Add Constraint CHK_TICKET_SELLPRICE
    Check ( SellPrice >= 0 );

Create Unique Index IX_U_Ticket
ON TICKET(PkPaymentNo, PkSeatNo)
Tablespace Indx;

```

		:		
		:		
:	:	:		
:	:	: 2003/9/4	:	1.2

Create Sequence Seq_Ticket Increment By 1 Start With 1 MinValue 0 NoCycle NoCache NoOrder;

Create Trigger Trig_Ticket Before Insert On Ticket For Each Row

Begin

 Select Seq_Ticket.nextval into :new.pkTicketNo from dual;

End;