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Version 1.3

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	2003/09/04	Entity		
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1.1	2003/09/18		가	
1.2	2003/09/19	PSM	가	
1.3	2003/03/23			

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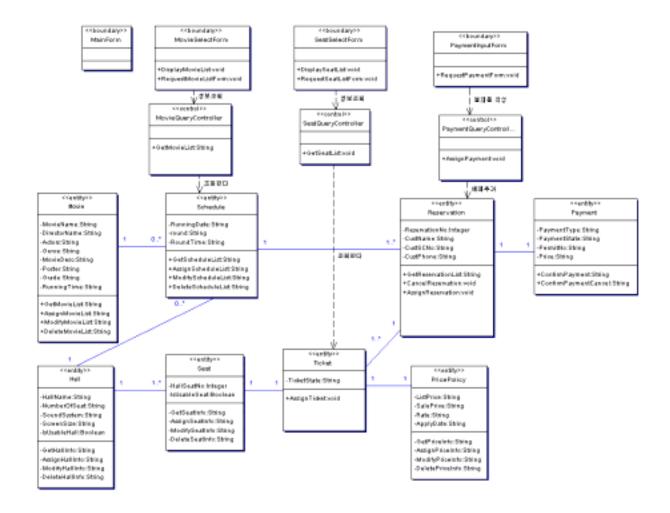
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1. PIM



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2. PIM

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()	()		
ReservationNo		String	
pkPaymentNo		String	
pkScheduleNo		String	
SellType		String	
CustName		String	
CustSCNo		String	
CustPhone		String	

3)

Operation	Parameter	Return	
GetReservationList	UserInfo	TicketList	
GetSeatList		SeatList	가
CalcMoney	UserInfo	Money	
AssignReservation	TicketInfo, UserInfo, PaymentInfo		·
CancelReservation	TicketInfo UserInfo		

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()	()			
PermitNo		String		
PaymentType		String	()
PaymentDate		Date		
CustName		String		
CustPhone		String		
CustSCNo		String		

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Price			Stri	ng			
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Operation		Parameter		Re	eturn		
SetPayment	Paym	nentInfo	voi	d			
ConfirmPayment	_	nentInfo	Boo	olean			
						PG	
ConfirmPaymentCancel	Paym	nentInfo	Boo	olean			
						PG	••
4)							
5)							
•							
2.3							
1)							
-/ 가							
2)							
()		()				
pkTicketNo				String			
PkSeatNo(FK)				String			
PkPaymentNo(FK)				String			
pkScheduleNo				String			
TicketState				Binary			
ListPrice		가		String			가
SalePrice		가		String			가
Date				String			
Round				String			
3)							
Operation		Parameter		Re	eturn		
AssignTicket	Ticke	etInfo	Boo	olean			
							•
4)							
•							
5)							
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2.4							
1)							
,					CRU	D	
2)							
()		()					
pkHallNo			Ir	iteger			
HallName			S	tring			
NumberOfSeat				tring			

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·	•		. 2000/00/	,	. 1.0
SoundSystem		String			
ScreenSize		String			
isUsableHall	가	Boolean			
3)					
Operation	Parameter		eturn		
GetHallInfo		HallInfo			
A II. III . C.					
AssignHallInfo ModifyHallInfo					
DeleteHallInfo					
4)					
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1)					
			CDLID		
2)			CRUD	•	
2)	()		CRUD		
()	()	Integer	CRUD		
pkSeatNo ()	()	Integer Integer	CRUD		
()		Integer	CRUD		
pkSeatNo PkHallNo(FK)	가		CRUD		7}
pkSeatNo PkHallNo(FK)		Integer	CRUD		7}
pkSeatNo PkHallNo(FK) IsUsableSeat	가	Integer Boolean			7}
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation	가 Parameter	Integer Boolean	CRUD		7 -
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation	가	Integer Boolean			7}
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo	가 Parameter	Integer Boolean			7 -
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation	가 Parameter	Integer Boolean			7 -
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo	가 Parameter SeatNo	Integer Boolean			7}
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo	가 Parameter	Integer Boolean			7}
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo	Parameter SeatNo SeatNo	Integer Boolean			
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo DeleteSeatInfo	가 Parameter SeatNo	Integer Boolean			7}
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo	Parameter SeatNo SeatNo	Integer Boolean			
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo DeleteSeatInfo 4)	Parameter SeatNo SeatNo	Integer Boolean			
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo DeleteSeatInfo	Parameter SeatNo SeatNo	Integer Boolean			
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() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo DeleteSeatInfo 4) 5)	Parameter SeatNo SeatNo	Integer Boolean			
() pkSeatNo PkHallNo(FK) IsUsableSeat 3) Operation GetSeatInfo AssignSeatInfo ModifySeatInfo DeleteSeatInfo 4)	Parameter SeatNo SeatNo	Integer Boolean			

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			CD 110	
2)			CRUD .	
()	()			
pkMovieNo	()	Integer		
MovieName		String		
DirectorName		String		
ActorNames		String		
Genre		String		
MovieDesc		String		
Poster		String		
Grade		String		
RunningTime		String		
Rummgrime		Bumg		
3)				
Operation	Parameter	Re	eturn	
GetMovieList		MovieList		
AssignMovie	pkMovieNo			•
ModifyMovie	pkMovieNo			
DeleteMovie	pkMovieNo			
4)				
5)				
2.7				
1)				
±/			CRUD .	
2)			51.02	-
()	()			
pkScheduleNo	, , ,	String		
pkMovieNo(FK)		String		
pkHallNo(FK)		Integer		
Round		String		
RoundTime		Date		
RunningDate		String		
3)			_	
Operation	Parameter		eturn	
GetScheduleList		ScheduleList		
AssignSchedule	pkSchduleNo			
ModfiySchedule	pkScheduleNo			
DeleteSchedule	pkScheduleNo			

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5)				
2.8 가				
1)				
2)		•		
()	()			
ListPrice	가	Integer	가	
Rate		Float	71	<u> </u>
SalePrice	가	Integer		가
ApplyDate		Date		
3)				
4)				
5)				
2.9				
1)				
2)		•		
3)				
Operation GetMovieList	Parameter	Return MovieList		
GetiviovicList		MOVICEIST		
4)		1		·
5)				
2.10				
1)				
2)		•		
3)				

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Operation	Parameter		Return		
GetSeatList	pkMovieNo	SeatList		フ	ŀ

Operation	Parameter	Return	
GetSeatList	pkMovieNo pkHallNo	SeatList	가 가 .

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1)

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3)

Operation	Parameter	Return	
AssignPayment	PaymentInfo		

4)

5)

2.12

1)

2)

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Operation	Parameter	Return	
RequestMovieListForm()			

4)

5)

2.13

1)

2)

Operation	Parameter	Return	
RequestSeatListForm	pkMovieNo		

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pkHallNo	

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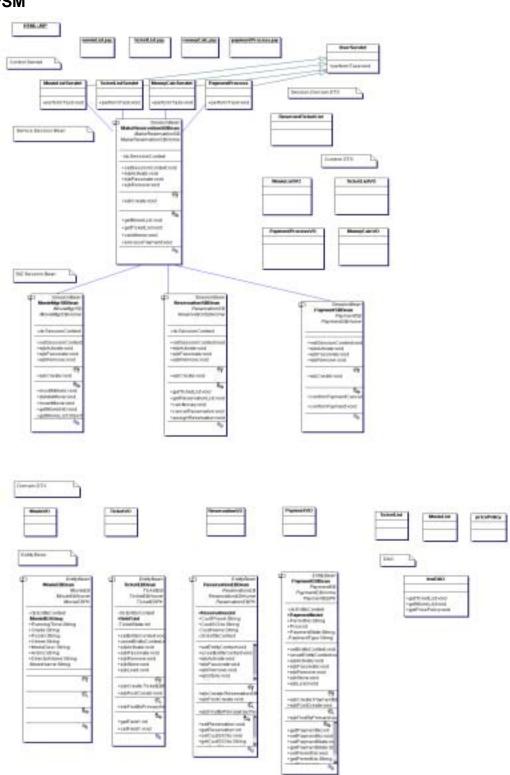
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Operation	Parameter	Return	
RequestPaymentForm	ReserveNo		

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3. PSM



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PSM MovieListServlet(0 1) UI JSP	Control Servlet)		·	
2)3)				
Operation	Parameter	Return		
erformTask		MovieList	Movie	
4)				
5)	Control Servlet) UI		·	
TicketListServlet(0 1) UI JSP 2)			·	
TicketListServlet(0 1) UI JSP 2) 3) Operation		Return	·	
5) TicketListServlet(0 1) UI JSP 2) 3) Operation	UI	Return TicketList	Ticket	
TicketListServlet(C1) UI JSP 2) 3) Operation erformTask 4) 5) MoneyCalcServlet 1) UI JSP	Parameter Parameter		Ticket	
TicketListServlet(Call) UI JSP 2) 3) Operation erformTask 4) 5) MoneyCalcServlet 1) UI JSP 2)	Parameter (Control Serviet)		Ticket	
TicketListServlet(C1) UI JSP 2) 3) Operation erformTask 4) 5) MoneyCalcServlet 1) UI JSP	Parameter (Control Serviet)		Ticket	

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4.4	PaymentProcess	Control	Sarviat
4.4	PaymentProcessi	Control	Servieti

UI JSP UI

2)

3)

Operation	Parameter	Return	
PerformTask			

4)

5)

4.5 MakeReservationSBBean(Service SessionBean)

1)

Façade . EJB Session Bean

2)

3)

Operation	Parameter	Return		
GetMovieList	RunningDate	MovieListVO	가	
GetTicketList	ScheduleNo	TicketListVO	가	
CalcMoney	SeatList Adults Kids	MoneyVO		
processPayment	PaymentInfo			

4)

5)

4.6 ReservationMgrSBBean(Business SessionBean)

1)

EJB SessionBean .

2)

Operation	Parameter	Return	
GetReservationList		TicketList	가 .
GetTicketList		TicketList	가 .
CalcMoney	Adults(),	Int	

			:	
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	•			
	Kids(,.			
	Discount()			
AssignReservation	ReservationInfo	Boolean		
CancelReservation	ReservatioNo	Boolean		•
4)				
4)				
5)				
3)				
4.7 MovieMgrSBBean(Business SessionBea	an)		
	Dusiness ocssionDea	,		
1)		FIR	SessionBean .	
2)		LJD	SessionBean .	
-/				
3)				
Operation	Parameter	Re	eturn	
GetMovieList		MovieListV	О	가 .
GetMoiveInfo		MovieVO		가 .
4)				
5)				
4.8 PaymentMgrSBBea	an(Business SessionE	Bean)		
1)				
		EJB Session E	Bean .	
2)				
2)				
Operation	Parameter	R ₄	eturn	
ConfirmPayment	PaymentInfo	Int	tui ii	
ConfirmPaymentCancel	PermitNo	Boolean		•
commin ayment cancer	1 Clinici (O	Boolean		
		I		`
4)				
5)				
4.9 MovieEBBean(Enti	tyBean)			
1)				
	ntity .			
2)				

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()	()	<u> </u>		
MovieNo		Int		
MovieName		String		
RunningTime		Int		
Grade		String		
Genre		String		
MovieDesc		String		
Poster		String		
ActorNames		String		
DirectorName		String		
Birectorivanie		Burng		
5)				
4.10 TicketEBBean(Entity				
Enti	ity .			
()	()			
TicketNo		Int		
SeatNo		Int		
PaymentNo		I nt		
TicketState		Int		
listPrice	가	Int		가
sellPrice	가	Int		가
3) *	Ti alaatin fa	0	4:	
	TicketInfo	Opera		•
Operation GetTicketInfo	Parameter TicketNo	Retur TicketInfo	11	
OCT I ICKCIIIIIO	TICKEUNO	1 icketiiilo	가	
SetTicketInfo		Void	/1	•
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4.11 PosserionEPPs	(EntityBoon)			
4.11 ReservationEBBean(спицован)			
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	ntity .				
2)		1			
() ReservationNo	()	Tot			
CustPhone		Int			
CustSCNo		String			
CustName		String String			
Custivallie		Sung			
3)					
*	ReservationInfo	O	peration		
Operation	Parameter		turn		
SetReservationInfo	ReservationInfo				
GetReservationInfo	CustSCNo				
	CustName				
4)					
4)					
5)					
3)					
4.12 PaymentEBBean(E					
	ntity .				
2)					
()	()	Total			
PaymentNo reservationNo		Int Int			
		Int			
PaymentType PaymentState		Int			
PermitNo					
Price	가	String Int			
CustName	71	String			
CustPhone		String			
CustSCNo					
PaymentDate PaymentDate		String Date			
raymentDate		Date			
3)					
*	PaymentInfo	(Operation		
Operation	Parameter		turn		•
SetPaymentInfo	PaymentInfo				
GetPaymentInfo		PaymentInfo	,		· .
					
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.13 ReservedTicketList(Domain DTO	String		
CustSCNo		String		
CustName				
Custiname TicketState		String		
1 ICATIOIAIC		Int		
4) 5) .14 MovieListVO(Custor	m DTO)			
1)	,			
-/	Value Object			
2)	Joes	•		
()	()			
MovieName		String		
RunningTime		Int		
Grade		String		
MovieDesc		String		
Actors		String		
3)4)5)				
4) 5) .15 TicketListVO(Custo	m DTO)			
4)5)				
4) 5) 8.15 TicketListVO(Custo	m DTO) Value Object			
4) 5) .15 TicketListVO(Custor 1)				
4) 5) 5.15 TicketListVO(Custor 1) 2)	Value Object			
4) 5) .15 TicketListVO(Custor 1) 2) () TicketState	Value Object			
4) 5) .15 TicketListVO(Custor 1) 2)	Value Object			
4) 5) .15 TicketListVO(Custor 1) 2) () TicketState	Value Object			

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.16 PaymentProcessVO(Cu	stom DTO)			
1)				
,	Value Object			
2)				
()	()			
PaymentNo				
PermitNo				
Price				
PaymentType				
2)				
3)				
4)				
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5)				
,				
.17 MoneyCalcVO(Custom	DTO)			
1)	310)			
1)	Value Obj	ect		
2)	varue obj		•	
()	()			
Price		Int		
3)				
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3)				
40 Maria VO/Damain DTO				
.18 MovieVO(Domain DTO)				
1)	McC. A			
Value (Joject .			
()	()			
MovieNo	()	Int		
MovieName		String		
RunningTime		Int		
Grade		String		
Poster		String		
Genre		String		
MovieDesc		String		
ActorsName		String		
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DirectorName		String		
3)				
4)				
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5)				
4.19 TicketVO(Domain DTO)				
1)				
Value C	Object .			
2)				
()	()	T (
TicketNo SeatNo		Int		
SeatNo PaymentNo		Int Int		
PaymentNo TicketState		Int		
TICACIDIAIC		11111		
ListPrice	가	Int		가
SellPrice	가	Int		가
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3)				
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4.20 ReservationVO(Domain	DTO)			
1)				
Value C	Object .			
2)				
()	()	T		
ReservationNo CustPhone		Integer		
CustPhone CustSCNo		String		
CustName		String String		
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4.21 PaymentProcessVO(Dor 1) Value (
()	()				
PaymentNo		Int			
ReservationNo		Int			
PaymentType		Int			
PaymentState		Int			
PermitNo		String			
Price		Int			
CustName		String			
CustPhone CustSCNo		String			
PaymentDate		String Datetime			
1 aymonibate		Datellille			
4) 5) 4.22 TicketListVO(Domain D 1) Serialize 2) 3) 4) 5)	Value Object				
4.23 MoiveListVO(Domain D	10)				
Serial	ize Value Object	-			
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4.24 PricePolicy(Domain DTO)

1)

가 Serialize Value Object .

2)

3)

4)

5)

4.25 ImrDAO

1)

2)

3)

Operation	Parameter	Return			
GetTicketList		TicketList		가	
GetMovieList		MovieList		가	
GetPriceList		PricePolicy	가	가	

4)