Possible Design: Project

MODEL
* MID
* PL_NAME
* MANUFC
* ENG_CNT
* FLEET_CNT

AIRL_MOD

AIRLINE
* AIRL_ID
* AIRL_NAME
* HUB
* HQ_CITY
* HQ_CNTRY

AIRPORT
* AIRP_ID
* AIRP_NAME
* CODE
* AIRP_CITY
* AIRP_CNTRY
* AIRP_TYPE

AIRP_FL
* PORT_TYPE
* ARR_DEPT_DATE

FLIGHT
* F_ID
* F_NUMBER

FLGHT_PSNGR
* FP_ID

SPCL_REQ
* SRID
* SR_NAME

CAB_CLS
* CAB_ID
* CAB_NAME

MEAL_PL
* MP_ID
* MP_NAME

PASSENGER
* PID
* P_FNAME
* P_LNAME
* P_NATIONALITY
* P_GENDER
* P_PASSPORTNO
* P_PASSEXPDATE
* P_DOB
# * P_TYPE

CUSTOMER
* C_ID
* C_STREET
* C_CITY
* C_CNTRY
* C_EMAIL
* C_CONTCTNO
* C_CNTRYCODE
* C_PASS_CNT
* C_ER_FNAME
* C_ER_LNAME
* C_ECONTCTNO
* C_ECNTCODE
* C_TYPE

MBRSHP
* M_NAME
* ASSC_AIRL
* M_STDATE
* M_END_DATE

BOOK_AGENT
* AG_NAME
* WEB_ADDR
* AG_CNTCTNO

PAYMENT
* PAY_ID
* P_DATE
* P_AMT
* P_METHOD
* P_CARDNO
* PAY_FNAME
* PAY_LNAME

INVOICE
* INV_ID
* INV_DATE
* INV_AMT

INSURANCE
* INS_ID
* PLAN_NAME
* DESC
* INS_COST

PASS_INS
* BUY_DATE

MODEL

P	* MID	NUMBER (6)
	* PL_NAME	VARCHAR2 (30)
	* MANUFC	VARCHAR2 (30)
	* ENG_CNT	NUMBER (2)
	* FLEET_CNT	NUMBER (4)
⚷ MODEL_PK (MID)		

SPCL_REQ

P	* SRID	NUMBER (6)
	* SR_NAME	VARCHAR2 (50)
⚷ SPCL_REQ_PK (SRID)		

PASSENGER

P	* PID	NUMBER (6)
	* P_FNAME	VARCHAR2 (30)
	* P_LNAME	VARCHAR2 (30)
	* P_NATIONALITY	VARCHAR2 (30)
	* P_GENDER	CHAR (1)
	* P_PASSPORTNO	VARCHAR2 (10)
	* P_PASSEXPDATE	DATE
	* P_DOB	DATE
P	* P_TYPE	CHAR (1)
⚷ PASSENGER_PK (PID, P_TYPE)		

AIRL_MOD

PF	* AIRL_ID	NUMBER (6)
PF	* MID	NUMBER (6)
⚷ AIRL_MOD_PK (AIRL_ID, MID)		
⚷ AIRL_MOD_AIRLINE_FK (AIRL_ID)		
AIRL_MOD_MODEL_FK (MID)		

CAB_CLS

P	* CAB_ID	NUMBER (5)
	* CAB_NAME	VARCHAR2 (30)
⚷ CAB_CLS_PK (CAB_ID)		

MEAL_PL

P	* MP_ID	NUMBER (5)
	* MP_NAME	VARCHAR2 (30)
⚷ MEAL_PL_PK (MP_ID)		

AIRLINE

P	* AIRL_ID	NUMBER (6)
	* AIRL_NAME	VARCHAR2 (30)
	* HUB	VARCHAR2 (3)
	* HQ_CITY	VARCHAR2 (30)
	* HQ_CNTRY	VARCHAR2 (30)
F	* AIRP_ID	NUMBER (6)
⚷ AIRLINE_PK (AIRL_ID)		
⚷ AIRLINE_AIRPORT_FK (AIRP_ID)		
AIRLINE_IDX (AIRP_ID)		

FLGHT_PSNGR

P	* FPID	NUMBER (7)
F	* F_ID	NUMBER (6)
F	* PID	NUMBER (6)
F	* CAB_ID	NUMBER (5)
F	* MP_ID	NUMBER (5)
F	* SRID	NUMBER (6)
P	* FP_ID	NUMBER (6)
F	* P_TYPE	CHAR (1)
⚷ FLGHT_PSNGR_PK (FP_ID, FPID)		
⚷ FLGHT_PSNGR_FLIGHT_FK (F_ID)		
⚷ FLGHT_PSNGR_MEAL_PL_FK (MP_ID)		
⚷ FLGHT_PSNGR_SPCL_REQ_FK (SRID)		
⚷ FLGHT_PSNGR_PASSENGER_FK (PID, P_TYPE)		
⚷ FLGHT_PSNGR_CAB_CLS_FK (CAB_ID)		

CUSTOMER

PF	* PID	NUMBER (6)
PF	* P_TYPE	CHAR (1)
U	* C_ID	NUMBER (6)
	* C_STREET	VARCHAR2 (50)
	* C_CITY	VARCHAR2 (50)
	* C_CNTRY	VARCHAR2 (20)
	* C_EMAIL	VARCHAR2 (30)
	* C_CONTCTNO	NUMBER (10)
	* C_CNTRYCODE	VARCHAR2 (4)
	* C_PASS_CNT	NUMBER (2)
	* C_ER_FNAME	VARCHAR2 (30)
	* C_ER_LNAME	VARCHAR2 (30)
	* C_ECONTCTNO	NUMBER (10)
	* C_ECNTCODE	VARCHAR2 (4)
	* C_TYPE	CHAR (1)
⚷ CUSTOMER_PK (PID, P_TYPE)		
⚷ CUSTOMER_PKv1 (C_ID)		
⚷ CUSTOMER_PASSENGER_FK (PID, P_TYPE)		

AIRPORT

P	* AIRP_ID	NUMBER (6)
	* AIRP_NAME	VARCHAR2 (50)
	* CODE	VARCHAR2 (30)
	* AIRP_CITY	VARCHAR2 (30)
	* AIRP_CNTRY	VARCHAR2 (20)
	* AIRP_TYPE	CHAR (1)
⚷ AIRPORT_PK (AIRP_ID)		

AIRP_FL

	* PORT_TYPE	CHAR (1)
	* ARR_DEPT_DATE	TIMESTAMP WITH LOCAL TIME ZONE
PF	* AIRP_ID	NUMBER (6)
PF	* F_ID	NUMBER (6)
⚷ AIRP_FL_PK (AIRP_ID, F_ID)		
⚷ AIRP_FL_AIRPORT_FK (AIRP_ID)		
⚷ AIRP_FL_FLIGHT_FK (F_ID)		

FLIGHT

P	* F_ID	NUMBER (6)
	* F_NUMBER	VARCHAR2 (20)
F	* AIRL_ID	NUMBER (6)
⚷ FLIGHT_PK (F_ID)		
⚷ FLIGHT_AIRLINE_FK (AIRL_ID)		

PAYMENT

P	* PAY_ID	NUMBER (6)
	* P_DATE	DATE
	* P_AMT	NUMBER (7,2)
	* P_METHOD	CHAR (1)
	* P_CARDNO	NUMBER (20)
	* PAY_FNAME	VARCHAR2 (30)
	* PAY_LNAME	VARCHAR2 (30)
F	* INVOICE_INV_ID	NUMBER (6)
⚷ PAYMENT_PK (PAY_ID)		
⚷ PAYMENT_INVOICE_FK (INVOICE_INV_ID)		

INVOICE

P	* INV_ID	NUMBER (6)
	* INV_DATE	DATE
	* INV_AMT	NUMBER (7,2)
F	* INS_ID	NUMBER (6)
⚷ INVOICE_PK (INV_ID)		
⚷ INVOICE_INSURANCE_FK (INS_ID)		

INSURANCE

P	* INS_ID	NUMBER (6)
	* PLAN_NAME	VARCHAR2 (30)
	* DESC	VARCHAR2 (100)
	* INS_COST	NUMBER (6,2)
⚷ INSURANCE_PK (INS_ID)		

PASS_INS

	* BUY_DATE	DATE
PF	* PID	NUMBER (6)
PF	* INS_ID	NUMBER (6)
PF	* P_TYPE	CHAR (1)
⚷ PASS_INS_PK (INS_ID, PID, P_TYPE)		
⚷ PASS_INS_CUSTOMER_FK (PID, P_TYPE)		
⚷ PASS_INS_INSURANCE_FK (INS_ID)		

BOOK_AGENT

PF	* PID	NUMBER (6)
	* AG_NAME	VARCHAR2 (30)
	* WEB_ADDR	VARCHAR2 (30)
	* AG_CNTCTNO	NUMBER (10)
PF	* P_TYPE	CHAR (1)
⚷ BOOK_AGENT_PK (PID, P_TYPE)		
⚷ BOOK_AGENT_PKv1 ()		
⚷ BOOK_AGENT_CUSTOMER_FK (PID, P_TYPE)		

MBRSHP

PF	* PID	NUMBER (6)
	* M_NAME	VARCHAR2 (30)
	* ASSC_AIRL	VARCHAR2 (30)
	* M_STDATE	DATE
	* M_END_DATE	DATE
PF	* P_TYPE	CHAR (1)
⚷ MBRSHP_PK (PID, P_TYPE)		
⚷ MBRSHP_PKv1 ()		
⚷ MBRSHP_CUSTOMER_FK (PID, P_TYPE)		