


KCSC


DB

Version 1.1

 KCSC		DB	
: KCSC		: Elaboration	:
:	:	: 2003/5/28	Version : 1.1

0.1	03.5.28	03.5.30		
1.0	03.6.5	03.6.5	DB	
1.1	03.6.13	03.6.13	DB	



 KCSC		DB	
: KCSC		: Elaboration	:
:	:	: 2003/5/28	Version : 1.1

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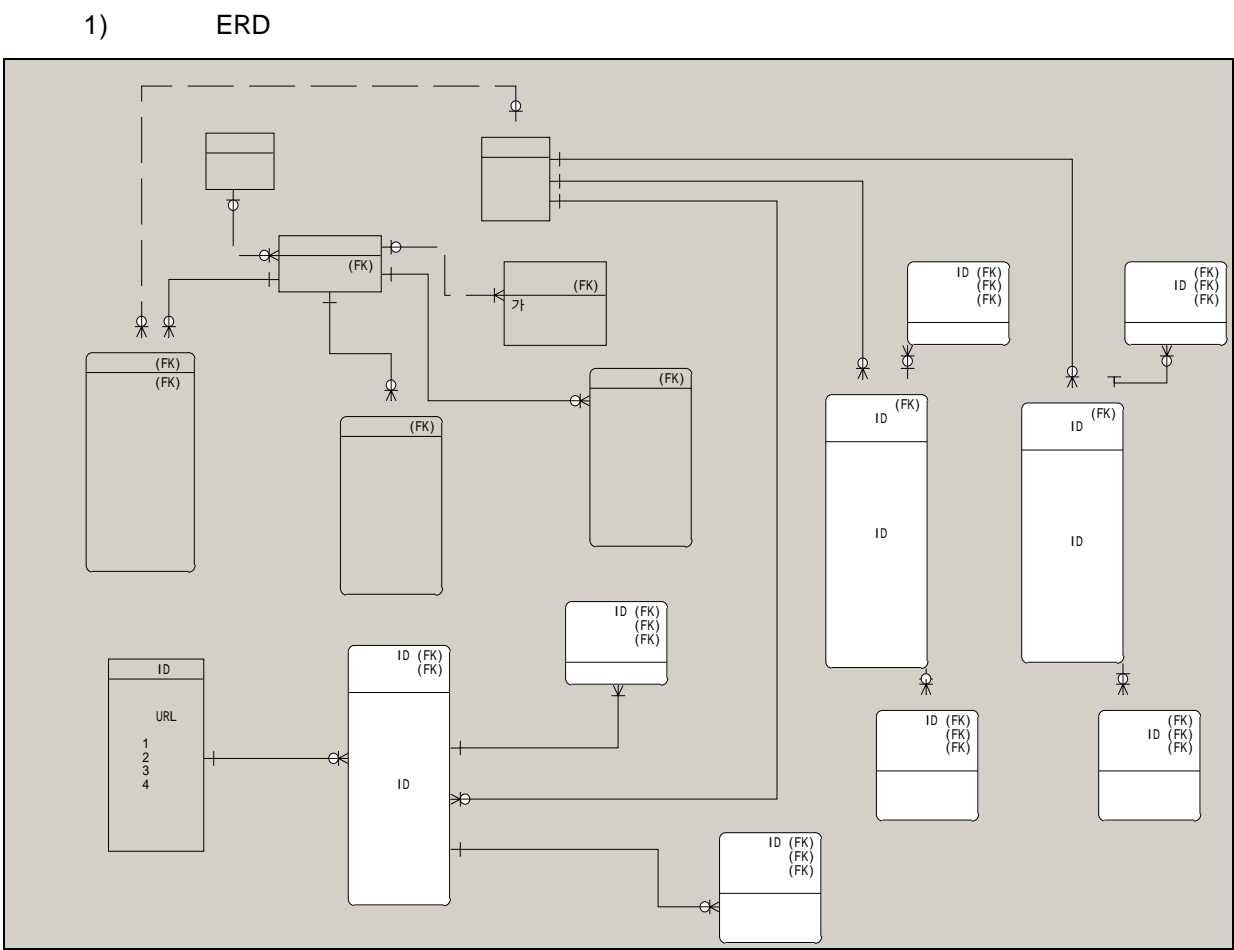
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 KCSC		DB	
: KCSC		: Elaboration	:
:	:	: 2003/5/28	Version : 1.1

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The diagram illustrates the database structure for an 'Education Center'. It includes the following tables and their attributes:

- TB_MEMBER_TYPE**: MEMBER_TYPE (CHAR(2)), TYPE_DES (VARCHAR2(300)), ETC (VARCHAR2(200)).
- TB_MEMBER_INFO**: ORG_CODE (CHAR(21)), MEMBER_TYPE (CHAR(2)), CREATED (NUMBER(8)).
- TB_LOGIN_MEMBER**: LOGIN_ID (CHAR(20)), ORG_CODE (CHAR(21)), SUBSCRIBER_TIME (CHAR(18)), ALIAS (CHAR(18)), PASSWORD (CHAR(18)).
- TB_TUTOR**: ORG_CODE (CHAR(21)), NAME (VARCHAR2(20)), SSN (NUMBER(13)), CORPORATION_NAME (VARCHAR2(20)), CORPORATION_ADDRESS (VARCHAR2(40)), HOME_ADDRESS (VARCHAR2(40)), HOME_TELEPHONE (VARCHAR2(12)), MOBILE_TELEPHONE (VARCHAR2(12)), SCHOOL_CAREER (VARCHAR2(1000)), EDUCATION_CAREER (VARCHAR2(1000)), CORPORATION_HIST (VARCHAR2(1000)), LICENSE (VARCHAR2(1000)), COURSE_RESULT (CHAR(1)), EMAIL (VARCHAR2(30)).
- TB_ADMIN**: ORG_CODE (CHAR(21)), NAME (VARCHAR2(20)), SSN (NUMBER(13)), CORPORATION_NAME (VARCHAR2(20)), CORPORATION_ADDRESS (VARCHAR2(40)), HOME_ADDRESS (VARCHAR2(40)), HOME_TELEPHONE (VARCHAR2(12)), MOBILE_TELEPHONE (VARCHAR2(12)), SCHOOL_CAREER (VARCHAR2(1000)), CORPORATION_HIST (VARCHAR2(1000)), LICENSE (VARCHAR2(1000)), EMAIL (VARCHAR2(30)).
- TB_CURSE**: COURSE_CODE (CHAR(6)), COURSE_NAME (VARCHAR2(25)), EDU_DURATION (VARCHAR2(40)), COURSE_DES (VARCHAR2(300)), ETC (VARCHAR2(200)).
- EC_BOARDMASTER**: BBSID (VARCHAR2(3)), BBSNAME (VARCHAR2(100)), BBSSTYPE (VARCHAR2(3)), BBSURL (VARCHAR2(300)), ETC (VARCHAR2(1000)), ADD1 (VARCHAR2(300)), ADD2 (VARCHAR2(300)), ADD3 (VARCHAR2(300)), ADD4 (VARCHAR2(300)), IN_USERID (VARCHAR2(50)), IN_DATE (DATE), UP_USERID (VARCHAR2(50)), UP_DATE (DATE).
- EC_BOARD**: BBSID (VARCHAR2(3)), COURSE_CODE (CHAR(6)), BBSNO (NUMBER(14)), ORD (CHAR(1)), PASSWORD (VARCHAR2(18)), NAME (VARCHAR2(30)), EMAIL (VARCHAR2(50)), TITLE (VARCHAR2(200)), IN_DATE (DATE), IN_USERID (VARCHAR2(50)), VIEW_CNT (NUMBER(5)), CONTENT_TYPE (CHAR(1)), CONTENT (VARCHAR2(4000)), ATTACH_YN (CHAR(1)), REF (NUMBER(10)), STEP (NUMBER(10)), LEV (NUMBER(10)), OPEN_YN (CHAR(1)), PREVIEW (VARCHAR2(500)).
- EC_NOTICE**: COURSE_CODE (CHAR(6)), BBSID (VARCHAR2(3)), BBSNO (NUMBER(14)), ORD (CHAR(1)), PASSWORD (VARCHAR2(18)), NAME (VARCHAR2(30)), EMAIL (VARCHAR2(50)), TITLE (VARCHAR2(200)), IN_DATE (DATE), IN_USERID (VARCHAR2(50)), VIEW_CNT (NUMBER(5)), CONTENT_TYPE (CHAR(1)), ATTACH_YN (CHAR(1)), REF (NUMBER(10)), STEP (NUMBER(10)), LEV (NUMBER(10)), OPEN_YN (CHAR(1)), PREVIEW (VARCHAR2(500)), CONTENT (VARCHAR2(4000)).
- EC_NOTICE_ATTACH**: BBSID (VARCHAR2(3)), BBSNO (NUMBER(14)), COURSE_CODE (CHAR(6)), ATTNNO (NUMBER(2)), ATT_NAME (VARCHAR2(200)), ATT_FNAME (VARCHAR2(200)), ATT_SIZE (VARCHAR2(30)).
- EC_PDS**: COURSE_CODE (CHAR(6)), BBSID (VARCHAR2(3)), BBSNO (NUMBER(14)), ORD (CHAR(1)), PASSWORD (VARCHAR2(18)), NAME (VARCHAR2(30)), EMAIL (VARCHAR2(50)), TITLE (VARCHAR2(200)), IN_DATE (DATE), IN_USERID (VARCHAR2(50)), VIEW_CNT (NUMBER(5)), CONTENT_TYPE (CHAR(1)), ATTACH_YN (CHAR(1)), REF (NUMBER(10)), STEP (NUMBER(10)), LEV (NUMBER(10)), OPEN_YN (CHAR(1)), PREVIEW (VARCHAR2(500)), CONTENT (VARCHAR2(2000)).
- EC_PDS_ATTACH**: COURSE_CODE (CHAR(6)), BBSID (VARCHAR2(3)), BBSNO (NUMBER(14)), ATTNNO (NUMBER(2)), ATT_NAME (VARCHAR2(200)), ATT_FNAME (VARCHAR2(200)), ATT_SIZE (VARCHAR2(30)).
- EC_BOARD_ATTACH**: BBSID (VARCHAR2(3)), BBSNO (NUMBER(14)), COURSE_CODE (CHAR(6)), ATTNNO (NUMBER(2)), ATT_NAME (VARCHAR2(200)), ATT_FNAME (VARCHAR2(200)), ATT_SIZE (VARCHAR2(30)).

Relationships are indicated by lines connecting tables to their attributes and by crow's foot notation symbols (diamonds and lines) between tables.

NO	()	()
01	TB_MEMBER_TYPE	
02	TB_COURSE	
03	TB_MEMBER_INFO	
04	TB_LOGIN_MEMBER	
05	TB_GRADUATE_MEMBER	
06	TB_TUTOR	
07	TB_ADMIN	
08	EC_BOARDMASTER	
09	EC_BOARD	
10	EC_BOARD_CONTENT	
11	EC_NOTICE	
12	EC_NOTICE_CONTENT	
13	EC_BOARD_ATTACH	
14	EC_NOTICE_ATTACH	
15	EC_PDS	
16	EC_PDS_CONTENT	
17	EC_PDS_ATTACH	
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()		()		TB_MEMBER_TYPE	
01	MEMBER_TYPE		CHAR	2	PK
02	TYPE_DES		VARCHAR2	300	
03	ETC				
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2)

()		()		TB_COURSE	
01	COURSE_CODE		CHAR	6	PK
02	COURSE_NAME		VARCHAR2	25	
03	EDU_DURATION		VARCHAR2	40	
04	COURSE_DES		VARCHAR2	300	
05	ETC		VARCHAR	200	
06					
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3)

()		()		TB_MEMBER_INFO	
01	ORG_CODE		CHAR	21	PK
02	MEMBER_TYPE		CHAR	2	FK
03	CREATED		NUMBER	8	
04					
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4)

()		()		TB_LOGIN_MEMBER	
01	LOGIN_ID		CHAR	20	PK
02	ORG_CODE		CHAR	21	PK/FK
03	SUBSCRIBER_TIME	가	CHAR	18	
04	ALIAS		CHAR	18	
05	PASSWORD		CHAR	18	
06					
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5)

()		()		TB_GRADUATE_MEMBER	
01	ORG_CODE		CHAR	21	FK/PK
02	COURSE_CODE		CHAR	6	FK
03	NAME		VARCHAR2	20	
04	SSN		NUMBER	13	
05	CORPORATION_NAME		VARCHAR2	20	
06	CORPORATIN_ADDRESS		VARCHAR2	40	
07	HOME_ADDRESS		VARCHAR2	40	
08	HOME_TELEPHONE		VARCHAR2	12	
09	MOBILE_TELEPHONE		VARCHAR2	12	
10	SCHOOL_CAREER		VARCHAR2	1000	
11	EDU_CAREER		VARCHAR2	1000	
12	CORPORATION_HIST		VARCHAR2	1000	
13	LICENSE		VARCHAR2	1000	
14	COURSE_RESULT		CHAR	1	
15	EMAIL		VARCHAR2	30	
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6)

()		()		TB_TUTOR	
01	ORG_CODE		CHAR	21	FK/PK
02	NAME		VARCHAR2	20	
03	SSN		NUMBER	13	
04	CORPORATION_NAME		VARCHAR2	20	
05	CORPORATIN_ADDRESS		VARCHAR2	40	
06	HOME_ADDRESS		VARCHAR2	40	
07	HOME_TELEPHONE		VARCHAR2	12	
08	MOBILE_TELEPHONE		VARCHAR2	12	
09	SCHOOL_CAREER		VARCHAR2	1000	
10	CORPORATION_HIST		VARCHAR2	1000	
11	LICENSE		VARCHAR2	1000	
12	EMAIL		VARCHAR2	30	
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7)

()		()		TB_ADMIN	
01	ORG_CODE		CHAR	21	FK/PK
02	NAME		VARCHAR2	20	
03	SSN		NUMBER	13	
04	CORPORATION_NAME		VARCHAR2	20	
05	CORPORATIN_ADDRESS		VARCHAR2	40	
06	HOME_ADDRESS		VARCHAR2	40	
07	HOME_TELEPHONE		VARCHAR2	12	
08	MOBILE_TELEPHONE		VARCHAR2	12	
09	SCHOOL_CAREER		VARCHAR2	1000	
10	CORPORATION_HIST		VARCHAR2	1000	
11	LICENSE		VARCHAR2	1000	
12	EMAIL		VARCHAR2	30	
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8)

()		()		EC_BOARDMASTER	
01	BBSID		VARCHAR2	3	PK
02	BBSNAME		VARCHAR2	100	
03	BBSTYPE		VARCHAR2	3	
04	BBSURL	URL	VARCHAR2	300	
05	ETC		VARCHAR2	1000	
06	ADD1	1	VARCHAR2	300	
07	ADD2	2	VARCHAR2	300	
08	ADD3	3	VARCHAR2	300	
09	ADD4	4	VARCHAR2	300	
10	IN_USERID		VARCHAR2	50	
11	IN_DATE		DATE		
12	UP_USERID		VARCHAR2	50	
13	UP_DATE		DATE		
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9)

()		()		EC_BOARD	
01	BBSID		VARCHAR2	3	PK
02	COURSE_CODE		CHAR	6	FK/PK
03	BBSNO		NUMBER	14	PK
04	ORD		CHAR	1	
05	PASSWORD		VARCHAR2	18	
06	NAME		VARCHAR2	30	
07	EMAIL		VARCHAR2	50	
08	TITLE		VARCHAR2	200	
09	IN_DATE		DATE		
10	IN_USERID		VARCHAR2	50	
11	VIEW_CNT		NUMBER	5	
12	CONTENT_TYPE		CHAR	1	
13	ATTACH_YN		CHAR	1	
14	REF		NUMBER	10	
15	STEP		NUMBER	10	
16	LEV		NUMBER	10	
17	OPEN_YN		CHAR	1	
18	PREVIEW		VARCHAR2	500	
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10)

()		()		TB_BOARD_CONTENT	
01	BBSID		VARHCAR2	3	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	CONTENTNO		NUMBER	2	PK
05	CONTENT		VARCHAR2	4000	
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11)

()		()		EC_NOTICE	
01	COURSE_CODE		CHAR	6	FK/PK
02	BBSID		VARCHAR2	3	PK
03	BBSNO		NUMBER	14	PK
04	ORD		CHAR	1	
05	PASSWORD		VARCHAR2	18	
06	NAME		VARCHAR2	30	
07	EMAIL		VARCHAR2	50	
08	TITLE		VARCHAR2	200	
09	IN_DATE		DATE		
10	IN_USERID		VARCHAR2	50	
11	VIEW_CNT		NUMBER	5	
12	CONTENT_TYPE		CHAR	1	
13	ATTACH_YN		CHAR	1	
14	REF		NUMBER	10	
15	STEP		NUMBER	10	
16	LEV		NUMBER	10	
17	OPEN_YN		CHAR	1	
18	PREVIEW		PREVIEW	500	
19	CONTENT		LONG	4000	
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12)

()		()		EC_NOTICE_CONTENT	
01	BBSID		VARCHAR2	3	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	CONTENTNO		NUMBER	2	PK
05	CONTENT		VARCHAR2	4000	
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13)

()		()		EC_BOARD_ATTACH	
01	BBSID		VARCHAR2	2	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	ATTNO		NUMBER	2	PK
05	ATT_NAME		VARCHAR2	200	
06	ATT_FNAME		VARCHAR2	200	
07	ATT_SIZE		VARCHAR2	30	
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14)

()		()		EC_NOTICE_ATTACH	
01	BBSID		VARCHAR2	3	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	ATTNO		NUMBER	2	PK
05	ATT_NAME		VARCHAR2	200	
06	ATT_FNAME		VARCHAR2	200	
07	ATT_SIZE		VARCHAR2	30	
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15)

()		()		EC_PDS	
01	COURSE_CODE		CHAR	6	FK/PK
02	BBSID		VARCHAR2	3	PK
03	BBSNO		NUMBER	14	PK
04	ORD		CHAR	1	
05	PASSWORD		VARCHAR2	18	
06	NAME		VARCHAR2	30	
07	EMAIL		VARCHAR2	50	
08	TITLE		VARCHAR2	200	
09	IN_DATE		DATE		
10	IN_USERID		VARCHAR2	50	
11	VIEW_CNT		NUMBER	5	
12	CONTENT_TYPE		CHAR	1	
13	ATTACH_YN		CHAR	1	
14	REF		NUMBER	10	
15	STEP		NUMBER	10	
16	LEV		NUMBER	10	
17	OPEN_YN		CHAR	1	
18	PREVIEW		PREVIEW	500	
19					
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16)

()		()		EC_PDS_CONTENT	
01	BBSID		VARCHAR2	3	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	CONTENTNO		NUMBER	2	PK
05	CONTENT		VARCHAR2	4000	
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17)

()		()		EC_PDS_ATTACH	
01	BBSID		VARCHAR2	3	FK/PK
02	BBSNO		NUMBER	14	FK/PK
03	COURSE_CODE		CHAR	6	FK/PK
04	ATTNO		NUMBER	2	PK
05	ATT_NAME		VARCHAR2	200	
06	ATT_FNAME		VARCHAR2	200	
07	ATT_SIZE		VARCHAR2	30	
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