Database Entity-Relationship Diagram

TRANSACTION
- APPROVAL_TIME TIMESTAMP
- STATE NUMBER
- P * ID NUMBER
- START_RENTING VARCHAR2 (20 BYTE)
- DURATION DATE
- TYPE NUMBER
- F * BOOK_ID NUMBER
- BOOK_AMOUNT NUMBER (7,0)
- F * SOLD_BY NUMBER
- F * BOUGHT_BY NUMBER
- F * SHIPPED_BY NUMBER
- SENDING_DATE DATE
- RECEIVING_DATE DATE
- F PAYMENT_METHOD NUMBER
- TRANSACTION_PK (ID)
- TRANSACTION_FK1 (BOOK_ID)
- TRANSACTION_FK2 (SOLD_BY)
- TRANSACTION_FK3 (BOUGHT_BY)
- TRANSACTION_FK4 (SHIPPED_BY)
- TRANSACTION_FK5 (PAYMENT_METHOD)
- TRANSACTION_PK (ID)

SHIPPER
- * COMPANY_NAME VARCHAR2 (20 BYTE)
- P * ID NUMBER
- COLUMN1 VARCHAR2 (20 BYTE)
- SHIPPER_PK (ID)
- SHIPPER_PK (ID)

CLIENT_INTERESTEDIN_CATEGORY
- P * ID NUMBER
- F * CLIENT_ID NUMBER
- F * CATEGORY_ID NUMBER (*,0)
- CLIENT_INTERESTEDIN_CATEGO_PK (ID)
- CAT_CLIENT_INTERESTEDIN_CATEG CATEGORY_ID)
- CLI_CLIENT_INTERESTEDIN_CATEG (CLIENT_ID)
- CLIENT_INTERESTEDIN_CATEGO_PK (ID)

BOOK_BELONGSTO_CATEGORY
- P * ID NUMBER
- F * BOOK_ID NUMBER (*,0)
- F * CATEGORY_ID NUMBER (*,0)
- BOOK_BELONGSTO_CATEGORY_PK (ID)
- BOOK_BELONGSTO_CATEGORY_FK1 (BOOK_ID)
- BOOK_BELONGSTO_CATEGORY_FK2 (CATEGORY_ID)
- BOOK_BELONGSTO_CATEGORY_PK (ID)

CATEGORY
- * NAME VARCHAR2 (50 BYTE)
- P * ID NUMBER (7,0)
- F SUPER_ID NUMBER (7,0)
- CATEGORY_PK (ID)
- CATEGORY_FK1 (SUPER_ID)
- CATEGORY_PK (ID)

CLIENT_FOLLOW_CLIENT
- F * FOLLOWER_ID NUMBER
- F * FOLLOWED_ID NUMBER
- P * ID NUMBER
- CLIENT_FOLLOW_CLIENT_PK (ID)
- FOLLOWED_CLIENT_FOLLOW_CLIENT (FOLLOWED_ID)
- FOLLOWED_CLIENT_FOLLOW_CLIENT (FOLLOWER_ID)
- CLIENT_FOLLOW_CLIENT_PK (ID)

LIST
- * NAME VARCHAR2 (50 BYTE)
- * CONTENT VARCHAR2 (200 BYTE)
- ICON VARCHAR2 (1000 BYTE)
- F * ID NUMBER
- LIST_PK (ID)
- LIST_FK1 (MADE_BY)
- LIST_PK (ID)

MESSAGE
- P * ID VARCHAR2 (20 BYTE)
- CONTENT VARCHAR2 (200 BYTE)
- SEND_DATE TIMESTAMP
- MEDIA_LINK VARCHAR2 (20 BYTE)
- F SENDER_ID NUMBER
- F RECIVER_ID NUMBER
- MESSAGE_PK (ID)
- RECIVER_MESSAGE_FK (RECIVER_ID)
- SENDER_MESSAGE_FK (SENDER_ID)
- MESSAGE_PK (ID)

BOOK_AUTHORES
- * NAME VARCHAR2 (100 BYTE)
- PK * ID NUMBER (*,0)
- BOOK_AUTHORES_PK (ID)
- BOOK_AUTHORES_FK1 (ID)
- BOOK_AUTHORES_PK (ID)

PAYMENT_METHOD
- P * ID NUMBER
- PAYMENT_METHODS_PK (ID)
- PAYMENT_METHODS_PK (ID)

PAYMENT_METHOD_CC
- PF * PAYMENT_ID NUMBER
- PAYMENT_METHOD_CC_PK (PAYMENT_ID)
- PAYMENT_METHOD_CC_FK1 (PAYMENT_ID)
- PAYMENT_METHOD_CC_PK (PAYMENT_ID)

BOOK
- P * ID NUMBER
- REFERENCE_LINK NUMBER (7,0)
- * DESCRIPTION VARCHAR2 (500 BYTE)
- * ISBN VARCHAR2 (20 BYTE)
- * TITLE VARCHAR2 (20 BYTE)
- BOOK_PK (ID)
- BOOK_PK (ID)

CLIENT
- * FULL_NAME VARCHAR2 (128 BYTE)
- SSN NUMBER
- PF * ACCOUNT_ID NUMBER
- CLIENT_PK (ACCOUNT_ID)
- CLIENT_FK1 (ACCOUNT_ID)
- CLIENT_PK (ACCOUNT_ID)

CLIENT_ADDRESS
- * CITY VARCHAR2 (100 BYTE)
- GOVERNMENT VARCHAR2 (100 BYTE)
- STREET VARCHAR2 (500 BYTE)
- COUNTRY VARCHAR2 (100 BYTE)
- LONGITUDE NUMBER
- LATITUDE NUMBER
- PF * ID NUMBER
- CLIENT_ADDRESS_PK (ID)
- CLIENT_ADDRESS_FK1 (ID)
- CLIENT_ADDRESS_PK (ID)

ACCOUNT
- P * ID NUMBER
- EMAIL VARCHAR2 (20 BYTE)
- PASSWORD VARCHAR2 (20 BYTE)
- USERNAME VARCHAR2 (20 BYTE)
- PICTURE VARCHAR2 (20 BYTE)
- F BLOCKED_BY NUMBER
- ACCOUNT_PK (ID)
- ACCOUNT_FK1 (BLOCKED_BY)
- ACCOUNT_PK (ID)

SUPER_USER
- PF * ACCOUNT_ID NUMBER
- SUPER_USER_PK (ACCOUNT_ID)
- SUPER_USER_PK (ACCOUNT_ID)

OFFER
- P * ID NUMBER
- PRICE NUMBER
- TYPE NUMBER
- OFFER_END_TIME DATE
- F * CLIENT_ID NUMBER
- F * BOOK_ID NUMBER (*,0)
- STATE_TEXT VARCHAR2 (200 BYTE)
- OFFER_FK1 (CLIENT_ID)
- OFFER_FK2 (BOOK_ID)
- OFFER_PK (ID)

CLIENT_REVIEW_BOOK
- P * ID NUMBER
- F * CLIENT_ID NUMBER
- F * BOOK_ID NUMBER (*,0)
- F * REVIEW_CONTETN VARCHAR2 (200 BYTE)
- REVIEW_SCORE NUMBER
- CLIENT_REVIEW_BOOK_PK (ID)
- CLIENT_REVIEW_BOOK_FK1 (CLIENT_ID)
- CLIENT_REVIEW_BOOK_FK2 (BOOK_ID)
- CLIENT_REVIEW_BOOK_PK (ID)

POST
- * CONTENT VARCHAR2 (400 BYTE)
- MEDIA_LINK VARCHAR2 (2083 BYTE)
- F * CLUB_ID NUMBER
- F * CLIENT_ID NUMBER
- P * ID NUMBER
- POST_PK (ID)
- CLIENT_POST_FK (CLIENT_ID)
- CLUB_POST_FK (CLUB_ID)
- POST_PK (ID)

CLINET_JOIN_CLUB
- P * ID NUMBER
- F * CLIENT_ID NUMBER
- F * CLUB_ID NUMBER
- CLINET_JOIN_CLUB_PK (ID)
- CLINET_JOIN_CLUB_FK1 (CLIENT_ID)
- CLINET_JOIN_CLUB_FK2 (CLUB_ID)
- CLINET_JOIN_CLUB_PK (ID)

POST_FULL_OPTION
- PF * POST_ID NUMBER
- POLL_OPTION VARCHAR2 (20 BYTE)
- POST_FULL_OPTION_PK (POST_ID)
- POST_FULL_OPTION_FK1 (POST_ID)

PAYMENT_METHOD_COD
- PF * PAYMENT_ID NUMBER
- AMOUNT NUMBER
- PAYMENT_METHOD_COD_PK (PAYMENT_ID)
- PAYMENT_METHOD_COD_FK1 (PAYMENT_ID)
- PAYMENT_METHOD_COD_PK (PAYMENT_ID)

OFFER_RENT
- PRICE_PER_DAY NUMBER
- MAXIMUM_RENT_TIME DATE
- F * OFFER_ID NUMBER
- OFFER_RENT (OFFER_ID)

OFFER_EXCHANGE_INEREST_INLIST
- F * LIST_ID NUMBER
- F * OFFER_ID NUMBER
- OFFER_EXCHANGE_INEREST_IN_FK1 (OFFER_ID)
- OFFER_EXCHANGE_INEREST_IN_FK2 (LIST_ID)

OFFER_EXCHANGE
- PF * OFFER_ID NUMBER
- NEGOTIATION_PRICE NUMBER
- OFFER_EXCHANGE_PK (OFFER_ID)
- OFFER_EXCHANGE_FK1 (OFFER_ID)
- OFFER_EXCHANGE_PK (OFFER_ID)

OFFER_EXCHANGE_INTEREST_INBOOK
- F * BOOK_ID NUMBER (*,0)
- F * OFFER_ID NUMBER
- OFFER_EXCHANGE_INTEREST_I_FK1 (BOOK_ID)
- OFFER_EXCHANGE_INTEREST_I_FK2 (OFFER_ID)

CLIENT_MANAGE_CLUB
- P * RELATION_ID NUMBER
- F * CLUB_ID NUMBER
- PRIVILEGE_LEVEL NUMBER
- F * CLIENT_ID NUMBER
- TABLE1_PK (RELATION_ID)
- CLIENT_CLINET_MANAGES_CLUB (CLIENT_ID)
- CLUB_CLIENT_MANAGE_CLUB (CLUB_ID)
- TABLE1_PK (RELATION_ID)

ACCOUNT_PHONE
- PF * PHONE_NUMBER NUMBER
- F * ID NUMBER
- ACCOUNT_PHONE_PK (ID)
- ACCOUNT_PHONE_FK1 (ID)
- ACCOUNT_PHONE_PK (ID)

OFFER_EXCHANGE_INTEREST_INCLUB
- F * OFFER_ID NUMBER
- F * CLUB_ID NUMBER
- OFFER_EXCHANGE_INTEREST_I_FK3 (OFFER_ID)
- OFFER_EXCHANGE_INTEREST_I_FK4 (CLUB_ID)

LIST_HAVE_BOOK
- F * LIST_ID NUMBER
- F * BOOK_ID NUMBER (*,0)
- LIST_HAVE_BOOK_FK1 (BOOK_ID)
- LIST_HAVE_BOOK_FK2 (LIST_ID)

GATE_ACCESS
- * USER_TYPE NUMBER
- PF * ID NUMBER
- GATE_ACCESS_PK (ID)
- GATE_ACCESS_FK1 (ID)
- GATE_ACCESS_PK (ID)

GATE
- URL VARCHAR2 (2083 BYTE)
- P * ID NUMBER
- GATE_PK (ID)
- GATE_PK (ID)

CLUB
- P * ID NUMBER
- * NAME VARCHAR2 (100 BYTE)
- CLUB_PK (ID)
- CLUB_PK (ID)

OFFER_SELL
- OFFER_ID NUMBER
- PRICE NUMBER

OFFER_STATE_IMAGE
- * OFFER_ID NUMBER
- * MEDIA_LINK VARCHAR2 (2000 BYTE)