// TravelMate\_AI 프로젝트 ERD - 상세 구현 버전

Table TM\_USER {

user\_id NUMBER(10) [pk, increment]

username VARCHAR2(50) [unique, not null]

password VARCHAR2(255) [not null]

name VARCHAR2(50) [not null]

email VARCHAR2(100) [unique, not null]

phone\_number VARCHAR2(20) [null]

birth\_date DATE [null]

gender CHAR(1) [null, note: 'M/F']

status VARCHAR2(20) [not null, default: 'ACTIVE', note: 'ACTIVE, BLOCKED, DELETED']

role VARCHAR2(20) [not null, default: 'USER', note: 'USER, ADMIN']

created\_at TIMESTAMP [not null, default: 'SYSDATE']

updated\_at TIMESTAMP [null]

}

Table TM\_RESERVATION {

reservation\_id NUMBER [pk, increment]

user\_id NUMBER [not null]

reservation\_type VARCHAR2(20) [not null]

target\_name VARCHAR2(100) [not null]

reservation\_date DATE [not null, default: 'SYSDATE']

checkin\_date DATE [null]

checkout\_date DATE [null]

price NUMBER [null, default: 0]

status\_code VARCHAR2(10) [not null, default: 'ACTIVE']

memo VARCHAR2(500) [null]

reg\_dt DATE [not null, default: 'SYSDATE']

mod\_dt DATE [null]

}

Table TM\_LOCATION {

location\_id NUMBER [pk, increment]

location\_name VARCHAR2(100) [not null]

location\_type VARCHAR2(20) [not null]

country VARCHAR2(50) [null]

city VARCHAR2(50) [null]

address VARCHAR2(200) [null]

latitude NUMBER(10,6) [null]

longitude NUMBER(10,6) [null]

description VARCHAR2(500) [null]

reg\_dt DATE [not null, default: 'SYSDATE']

mod\_dt DATE [null]

}

Table TM\_ITINERARY {

itinerary\_id NUMBER [pk, increment]

user\_id NUMBER [not null]

itinerary\_name VARCHAR2(100) [not null]

start\_date DATE [not null]

end\_date DATE [not null]

is\_ai\_recommend CHAR(1) [not null, default: 'N', note: 'Y/N']

region\_summary VARCHAR2(300) [null]

memo VARCHAR2(1000) [null]

reg\_dt DATE [not null, default: 'SYSDATE']

mod\_dt DATE [null]

}

Table TM\_ITINERARY\_DETAIL {

detail\_id NUMBER [pk, increment]

itinerary\_id NUMBER [not null]

location\_id NUMBER [null]

title VARCHAR2(100) [not null]

memo VARCHAR2(1000) [null]

plan\_date DATE [not null]

plan\_time VARCHAR2(5) [null, note: 'hh:mm format']

stay\_minutes NUMBER [null]

transport\_mode VARCHAR2(20) [null]

is\_booked CHAR(1) [not null, default: 'N', note: 'Y/N']

reg\_dt DATE [not null, default: 'SYSDATE']

mod\_dt DATE [null]

}

Table TM\_REVIEW {

review\_id NUMBER(10) [pk, increment]

user\_id NUMBER(10) [not null]

title VARCHAR2(100) [not null]

content CLOB [null]

rating NUMBER(2,1) [not null, note: '0.0 to 5.0']

created\_at DATE [not null, default: 'SYSDATE']

updated\_at DATE [null]

is\_deleted CHAR(1) [not null, default: 'N', note: 'Y/N']

}

Table TM\_BOARD {

board\_id NUMBER [pk, increment]

user\_id NUMBER [not null]

category VARCHAR2(30) [not null]

title VARCHAR2(200) [not null]

content CLOB [not null]

like\_count NUMBER [not null, default: 0]

view\_count NUMBER [not null, default: 0]

is\_secret CHAR(1) [not null, default: 'N', note: 'Y/N']

is\_deleted CHAR(1) [not null, default: 'N', note: 'Y/N']

is\_pinned CHAR(1) [not null, default: 'N', note: 'Y/N']

created\_at DATE [not null, default: 'SYSDATE']

updated\_at DATE [null]

}

Table TM\_REPLY {

reply\_id NUMBER(10) [pk, increment]

board\_id NUMBER(10) [not null]

user\_id NUMBER(10) [not null]

content VARCHAR2(1000) [not null]

created\_at DATE [not null, default: 'SYSDATE']

updated\_at DATE [null]

is\_deleted CHAR(1) [not null, default: 'N', note: 'Y/N']

parent\_reply\_id NUMBER(10) [null]

}

Table TM\_LIKE {

like\_id NUMBER(10) [pk, increment]

target\_type VARCHAR2(20) [not null, note: 'BOARD, REPLY']

target\_id NUMBER(10) [not null]

user\_id NUMBER(10) [not null]

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

}

Table TM\_IMAGE {

image\_id NUMBER(10) [pk, increment]

target\_type VARCHAR2(20) [not null, note: 'BOARD, LOCATION']

target\_id NUMBER(10) [not null]

original\_filename VARCHAR2(255) [not null]

stored\_filename VARCHAR2(255) [unique, not null]

is\_thumbnail CHAR(1) [not null, default: 'N', note: 'Y/N']

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

}

Table TM\_BOOKMARK {

bookmark\_id NUMBER(10) [pk, increment]

user\_id NUMBER(10) [not null]

target\_type VARCHAR2(20) [not null, note: 'BOARD, LOCATION, ITINERARY']

target\_id NUMBER(10) [not null]

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

}

Table TM\_WEATHER {

weather\_id NUMBER(10) [pk, increment]

location\_name VARCHAR2(100) [not null]

weather\_date DATE [not null]

temp\_min NUMBER(5,1) [null]

temp\_max NUMBER(5,1) [null]

weather\_desc VARCHAR2(50) [null]

precipitation NUMBER(5,1) [null]

snowfall NUMBER(5,1) [null]

humidity NUMBER(5,1) [null]

wind\_speed NUMBER(5,1) [null]

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

pm10 NUMBER(5,1) [null]

pm25 NUMBER(5,1) [null]

}

Table TM\_STATS {

stats\_id NUMBER [pk, increment]

user\_id NUMBER [null]

category VARCHAR2(50) [not null]

target\_id NUMBER [null]

count NUMBER [not null, default: 0]

stats\_date DATE [not null, default: 'SYSDATE']

created\_at DATE [not null, default: 'SYSDATE']

updated\_at DATE [null]

}

Table TM\_SOCIAL\_LOGIN {

social\_login\_id NUMBER [pk, increment]

user\_id NUMBER [not null]

provider VARCHAR2(20) [not null, note: 'KAKAO, NAVER, GOOGLE']

provider\_id VARCHAR2(100) [unique, not null]

email VARCHAR2(100) [null]

profile\_image VARCHAR2(200) [null]

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

}

Table TM\_ADMIN\_REPLY\_LOG {

reply\_log\_id NUMBER [pk, increment]

target\_type VARCHAR2(20) [not null, note: 'BOARD, REVIEW, DRINK, RECIPE']

target\_id NUMBER [not null]

admin\_id NUMBER [not null]

content CLOB [not null]

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

updated\_at TIMESTAMP [null]

is\_deleted CHAR(1) [not null, default: 'N', note: 'Y/N']

}

Table TM\_CODE {

code\_id NUMBER [pk, increment]

code\_group VARCHAR2(50) [not null]

code VARCHAR2(50) [not null]

code\_name VARCHAR2(100) [not null]

description VARCHAR2(255) [null]

use\_yn CHAR(1) [not null, default: 'Y', note: 'Y/N']

created\_at TIMESTAMP [not null, default: 'CURRENT\_TIMESTAMP']

updated\_at TIMESTAMP [null]

}

Table TM\_POINT {

point\_id NUMBER(19,0) [pk, increment]

user\_id NUMBER(19,0) [not null]

point\_change NUMBER(5,0) [not null]

point\_reason\_cd VARCHAR2(30) [not null]

point\_desc VARCHAR2(200) [null]

created\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_KPI\_LOG {

kpi\_id NUMBER [pk, increment]

user\_id NUMBER [null]

kpi\_type VARCHAR2(50) [not null]

target\_id NUMBER [null]

target\_type VARCHAR2(30) [null]

kpi\_count NUMBER [not null, default: 1]

occurred\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_AI\_RECOMMEND\_LOG {

recommend\_log\_id NUMBER [pk, increment]

user\_id NUMBER [null]

recommend\_type VARCHAR2(30) [not null]

result\_id NUMBER [null]

result\_type VARCHAR2(30) [null]

context CLOB [null]

emotion\_tags VARCHAR2(1000) [null]

user\_input VARCHAR2(2000) [null]

feedback VARCHAR2(10) [null, note: 'GOOD, BAD']

recommended\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_REPORT {

report\_id NUMBER(10) [pk, increment]

target\_type VARCHAR2(20) [not null, note: 'BOARD, REPLY']

target\_id NUMBER(10) [not null]

report\_reason VARCHAR2(100) [not null]

report\_detail CLOB [null]

reporter\_id NUMBER(10) [not null]

report\_date DATE [not null, default: 'SYSDATE']

status VARCHAR2(20) [not null, default: 'ACTIVE']

admin\_id NUMBER(10) [null]

resolve\_date DATE [null]

}

Table TM\_FRIEND {

friend\_id NUMBER(10) [pk, increment]

requester\_id NUMBER(10) [not null]

receiver\_id NUMBER(10) [not null]

status VARCHAR2(20) [not null, default: 'ACTIVE', note: 'PENDING, ACCEPTED, REJECTED, BLOCKED']

request\_date DATE [not null, default: 'SYSDATE']

response\_date DATE [null]

}

Table TM\_LOG {

log\_id NUMBER(10) [pk, increment]

user\_id NUMBER(10) [null]

action\_type VARCHAR2(30) [not null]

target\_type VARCHAR2(30) [null]

target\_id NUMBER(10) [null]

description VARCHAR2(500) [null]

created\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_VENDOR {

vendor\_id NUMBER [pk, increment]

name VARCHAR2(100) [unique, not null]

category VARCHAR2(30) [not null]

contact\_email VARCHAR2(100) [null]

contact\_phone VARCHAR2(20) [null]

registered\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_VENDOR\_ITEM {

item\_id NUMBER [pk, increment]

vendor\_id NUMBER [not null]

name VARCHAR2(200) [not null]

category VARCHAR2(30) [not null]

region VARCHAR2(100) [null]

price NUMBER(10,2) [null]

description CLOB [null]

available CHAR(1) [not null, default: 'Y', note: 'Y/N']

registered\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_VENDOR\_BOOKING\_LINK {

link\_id NUMBER [pk, increment]

item\_id NUMBER [not null]

link\_type VARCHAR2(30) [not null]

booking\_url VARCHAR2(1000) [not null]

is\_active CHAR(1) [not null, default: 'Y', note: 'Y/N']

created\_at DATE [not null, default: 'SYSDATE']

}

Table TM\_VENDOR\_CATEGORY {

category\_id NUMBER [pk, increment]

category\_code VARCHAR2(50) [unique, not null]

category\_name VARCHAR2(100) [not null]

description VARCHAR2(500) [null]

is\_active CHAR(1) [not null, default: 'Y', note: 'Y/N']

created\_at DATE [not null, default: 'SYSDATE']

}

// 관계 정의 (Ref)

Ref: TM\_RESERVATION.user\_id > TM\_USER.user\_id

Ref: TM\_ITINERARY.user\_id > TM\_USER.user\_id

Ref: TM\_ITINERARY\_DETAIL.itinerary\_id > TM\_ITINERARY.itinerary\_id

Ref: TM\_ITINERARY\_DETAIL.location\_id > TM\_LOCATION.location\_id

Ref: TM\_REVIEW.user\_id > TM\_USER.user\_id

Ref: TM\_BOARD.user\_id > TM\_USER.user\_id

Ref: TM\_REPLY.board\_id > TM\_BOARD.board\_id

Ref: TM\_REPLY.user\_id > TM\_USER.user\_id

Ref: TM\_REPLY.parent\_reply\_id > TM\_REPLY.reply\_id

Ref: TM\_LIKE.user\_id > TM\_USER.user\_id

Ref: TM\_BOOKMARK.user\_id > TM\_USER.user\_id

Ref: TM\_STATS.user\_id > TM\_USER.user\_id

Ref: TM\_SOCIAL\_LOGIN.user\_id > TM\_USER.user\_id

Ref: TM\_POINT.user\_id > TM\_USER.user\_id

Ref: TM\_KPI\_LOG.user\_id > TM\_USER.user\_id

Ref: TM\_AI\_RECOMMEND\_LOG.user\_id > TM\_USER.user\_id

Ref: TM\_REPORT.reporter\_id > TM\_USER.user\_id

Ref: TM\_REPORT.admin\_id > TM\_USER.user\_id

Ref: TM\_FRIEND.requester\_id > TM\_USER.user\_id

Ref: TM\_FRIEND.receiver\_id > TM\_USER.user\_id

Ref: TM\_LOG.user\_id > TM\_USER.user\_id

Ref: TM\_VENDOR\_ITEM.vendor\_id > TM\_VENDOR.vendor\_id

Ref: TM\_VENDOR\_BOOKING\_LINK.item\_id > TM\_VENDOR\_ITEM.item\_id

Ref: TM\_ADMIN\_REPLY\_LOG.admin\_id > TM\_USER.user\_id