FUNCTIONAL DEPENDENCIES:

ACTIVITIES:

ACTIVITY_CODE -> ACTIVITY_NAME

REWARD_CATEGORIES:

REWARD_CATEGORY_CODE -> REWARD_NAME

USERS:

USER_ID -> USER_NAME, PASSWD, LOGIN_TYPE, NAME, ADDRESS, JOIN_DATE, CONTACT_NUMBER

BRANDS:

BRAND_ID -> LOYALTY_TYPE

CUSTOMERS:

CUSTOMER_ID -> WALLET_ID

REGULAR_LOYALTY_PROGRAMS:

BRAND_ID LOYALTY_PROGRAM_ID -> LP_CODE, LP_NAME

TIERED_LOYALTY_PROGRAMS:

BRAND_ID, LOYALTY_PROGRAM_ID, LOYALTY_PROGRAM_LEVEL -> POINTS_REQUIRED, MULTIPLIER

BRANDS_LOYALTY_PROGRAMS_TO_REWARDS:

U_ID -> BRAND_ID, LOYALTY_PROGRAM_ID, REWARD_CATEGORY_CODE, REWARD_VALUE, NUMBER_OF_INSTANCES, VERSION_NUMBER, EXPIRY_DATE

BRAND_ID, LOYALTY_PROGRAM_ID, VERSION_NUMBER, REWARD_CATEGORY_CODE, -> REWARD_VALUE, NUMBER_OF_INSTANCES

BRANDS_LOYALTY_PROGRAMS_TO_ACTIVITIES:

U_ID -> BRAND_ID, LOYALTY_PROGRAM_ID, ACTIVITY_CODE, ACTIVITY_VALUE, VERSION_NUMBER

BRAND_ID, LOYALTY_PROGRAM_ID, VERSION_NUMBER, ACTIVITY_CODE -> ACTIVITY_VALUE

CUSTOMERS_TO_BLP_REWARDS:

CUSTOMER_ID, BRAND_ID, REWARD_CATEGORY_CODE, PERFORMED_DATE -> NUMBER_OF_INSTANCES, POINTS_REDEEMED

CUSTOMERS_TO_BLP_ACTIVITES:

CUSTOMER_ID, BRAND_ID, ACTIVITY_CODE, PERFORMED_DATE -> NUMBER_OF_INSTANCES, POINTS_EARNED

CUSTOMER_WALLET_TO_CUSTOMER_BRANDS:

CUSTOMER_ID, BRAND_ID -> TOTAL_POINTS, LOYALTY_PROGRAM_LEVEL, NUMBER_OF_GIFT_CARDS