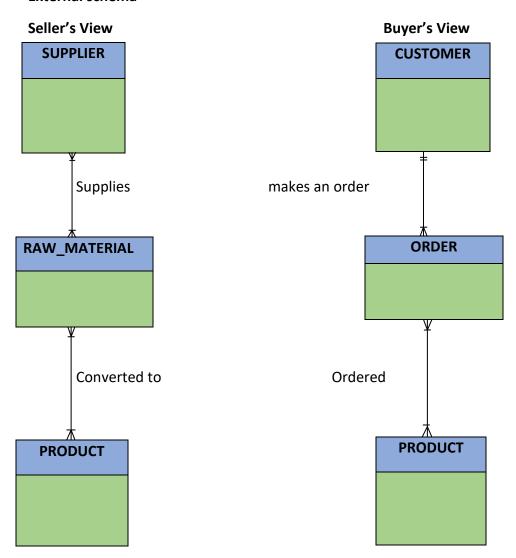
JUA KALI DATABASE MANAGEMENT SYSTEM

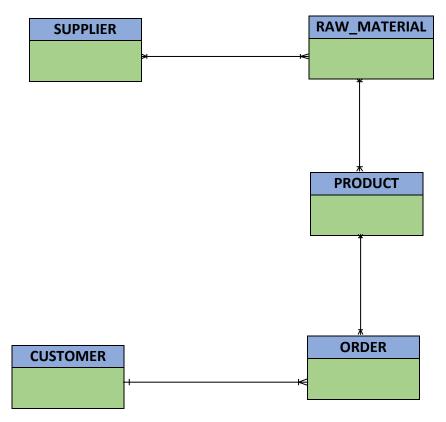
1. ENTITIES

- RAW MATERIAL table (RM_ID primary key, RM_NAME, RM_QUANTITY, RM_PRICE, RM_IN_DATE, PROD_ID Foreign key);
- ORDER table (ORD_ID Primary key, ORD_DATE, ORD_QUANTITY, PAYMENT_METHOD, CUS_ID Foreign key);
- **CUSTOMER table (**CUS_ID Primary key, CUS_LNAME, CUS_FNAME, CUS_PHONE, CUS_ADDRESS, ORD_ID Foreign key**)**;
- SUPPLIER table (SUP_ID Primary key, SUP_LNAME, SUP_FNAME, SUP_CONTACT, SUP_LOCATION, SUP_DATE, RM_ID Foreign key);
- PRODUCT table (PROD_ID Primary key, PROD_DESCRIPTION, PROD_QUANTITY, PROD_PRICE, PROD_DISCOUNT, ORD_ID Foreign key);
- 2. The External, Conceptual and Internal Schema

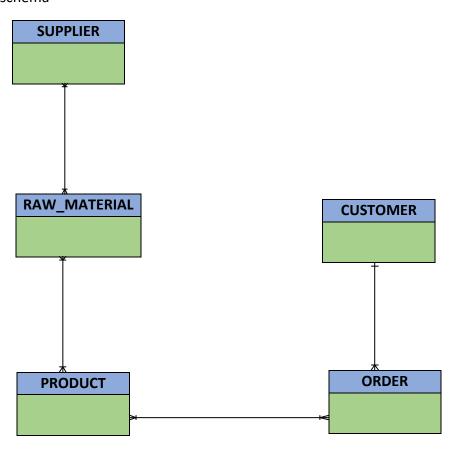
External schema



Conceptual schema



Internal schema



3. Some reports

✓ Select query:

The order table with 10 entries;

```
SQL> select * from order_jk;
   ORD_ID ORD_DATE ORD_QUAINTITY PAYMENT_M
                                             CUS_ID
        1 07-JAN-22
                         157 Cash
121 Cash
                                                 701
        2 12-JAN-22
                                                702
        3 22-JAN-22
                           471 Cheque
                                                703
        4 01-FEB-22
                            251 Cheque
                                                704
        5 05-FEB-22
                            541 Cheque
                                                 706
                           571 Cheque
        6 15-FEB-22
                                                709
                           231 Mpesa
        7 19-FEB-22
                                                707
        8 22-FEB-22
                                                705
                           731 Mpesa
        9 28-FEB-22
                           865 Mpesa
                                                708
       10 08-MAR-22
                            185 Mpesa
                                                702
10 rows selected.
```

✓ Insert query:

```
SQL> insert into order_jk values('7', '19-FEB-22', '231','Mpesa', '707');

1 row created.

SQL> insert into order_jk values('8', '22-FEB-22', '731','Mpesa', '705');

1 row created.
```

✓ Alter query:

```
SQL> alter table customer_jk add constraint fk_ord_id foreign key (ord_id) references order_jk (ord_id);
Table altered.
SQL> _
```

✓ Describe query: