ER DIAGRAM

**PRODUCT**

PROD\_ID (PK)

DESCRIPTION

**SALESPERSON**

SALESPERSON\_ID (PK)

REGION\_ID (FK)

OUTLET\_ID (FK)

NAME

SALARY

RE

RE

RE

A

**CUSTOMER**

CUST\_ID (PK)

NAME

SALESPERSON\_ID (FK)

PHONE\_NO

EMAIL

ADDRESS

**ORDER**

ORDER\_ID (PK)

MODEL \_ID

SHIP\_DATE

ORDER\_STATUS

CUST\_ID

SHIP\_LOCATION\_ID

SALESPERSON\_ID

**CUSTOMER\_LOCATION**

CUST\_ID (FK)

SHIP\_LOCATION\_ID

SHIP\_TO\_ADDRESS

BILL\_TO\_ADDRESS

**ORDER\_LINE**

ORDERLINE\_ID (PK)

REGION\_ID (FK)

OUTLET\_ID (FK)

ORDER\_ID (FK)

ORDER\_LINE\_NO

QUANTITY\_ORDERED

PLANT\_ID (FK)

**PRODUCT MODEL**

PROD\_ID (FK)

MODEL \_ID(PK)

PRICE\_WHOLESALE

PRICE\_RETAIL

DISCOUNT\_ELIGIBITY

**CORPORATE\_SALES\_OFFICE**

REGION\_ID (FK)

OUTLET\_ID (FK)

NO\_OF\_ORDER

MANAGER

**RETAIL \_STORE**

REGION\_ID (FK)

OUTLET\_ID (FK)

STORE\_MANAGER\_ID

FLOOR SPACE

NAME

**SALES\_OUTLET**

REGION\_ID (FK)

OUTLET\_ID (PK)

NAME

ADDRESS

OUTLET\_TYPE

RE

RE

RE

A

**MANUFACTURING\_PL**

REGION\_ID (PK)

PLANT\_ID (FK)

NAME

ADDRESS

**MANUFACTURING \_REGION**

REGION\_ID (PK)

NAME

ADDRESS

**INVENTORY**

REGION\_ID (FK)

PLANT\_ID (FK)

PROD\_ID (FK)

MODEL\_ID (FK)

REORDER\_LEVEL

QUANTITY

QUAN

**COMPONENT**

COMP\_ID (PK)

PROD\_ID (FK)

MODEL\_ID (FK)

COST

PREVIOUS COST

DESCRIPTION

SALES

FACT

IN

**TIME**

TIME\_ID (PK)

DATE

WEEK OF YEAR

MONTH OF YEAR

**MANUFACTURNG**

PLANT\_ID (PK) REGION NAME PLANT NAME

**CUSTOMER**

CUSTOMER KEY (PK)

NAME

SHIP-TO-ADDRESS

**SALES FACT**

STORE\_ID (FK)

CUSTOMER KEY (FK)

PROD\_ID (FK)

PLANT\_ID (FK)

TIME\_ID (FK)

ORFER\_ID (FK)

TOTAL COST

TOTAL REVENUE

TOATAL QUANTITY

DISCOUNT AMOUNT

**SELLER**

STORE\_ID (PK)

REGION NAME

OUTLET NAME

SALESPERSON NAME

NUMBER OF ORDERS

QUANTITY

**PRODUCT**

PROD\_ID (PK)

EFFECTIVE FROM DATE

EFFECTIVE TO DATE

DESCRIPTION

MODEL CODE

UNIT COST

SUGGESTED WHOLESHALE PRICE

SUGGESTED RETAIL PRICE

ELIGIBLE FOR DISCOUNT

INVENTORY

FACT

**PRODUCT**

PROD\_ID (PK)

EFFECTIVE FROM DATE

EFFECTIVE TO DATE

DESCRIPTION

MODEL CODE

UNIT COST

SUGGESTED WHOLESHALE PRICE

SUGGESTED RETAIL PRICE

ELIGIBLE FOR DISCOUNT

**MANUFACTURNG**

PLANT\_ID (PK) REGION NAME PLANT NAME

**TIME**

TIME\_ID (PK)

DATE

WEEK OF YEAR

MONTH OF YEAR

**INVENTORY FACT**

PROD\_ID (FK)

PLANT\_ID (FK)

TIME\_ID (FK)

TOTAL COST

TOTAL REVENUE

TOATAL QUANTITY

DISCOUNT AMOUNT