SUPPLIERS (supplier#, name, email_address, city, prov) FD

PRODUCT MANIFEST (supplier#, product#, quantity, est_deliv_date) FD

PRODUCT (product#, title, description, price, weight_kg, tax_exempt, subcategory#) FD

CATEGORY (category#, name) FD

SUBCATEGORY (subcategory#, name, parent_cat#) FD

PRODUCT REVIEW (review#, rating, comments, date, price, weight, tax_exempt) FD

CUSTOMER (customer#, street_address, city, prov, postal_code, phone_number, email_address, is_Timber_Member) FD

CUSTOMER ORDER (order#, order_item, order_date, estimated_deliv_date, ship_amt, amt_tax, ship_prov) FD

Entities:

Product
Category
Supplier
Customer
Customer review
Order

Assumptions:

Products can be supplied by more than one manufacturer

TB_Customer

PK	customer_number VARCHAR2(60)
	street_address VARCHAR2 (60)
	city VARCHAR (50)
	prov VARCHAR (2)
	postal_code VARCHAR2 (6)
	phone_number CHAR (12)
	email_address VARCHAR2 (60)
	is_Timber_member NUMBER(1)

TB_Product_Review

PK	review_number
Fk1	customer_number VARCHAR2(60) NN
	rating NUMBER(2,1)
	comments VARCHAR2 (60)
	date DATE
	price (CK) (NN) NUMBER(10)
	weight NUMBER(7,2)
	tax_exempt (CK) (NN) NUMBER(1)

amt_tax in

TB_Customer_Order

PK	order_number VARCHAR2(60)
FK	customer_number VARCHAR2 (60) NN
	order_item (NN) VARCHAR2 (60)
	order_date (NN) DATE
	estimated_deliv_date DATE
	ship_amt (CK) (NN) NUMBER (4,2)
	amt_tax (CK) (NN) NUMBER (5,3)
FK	ship_prov (CK) (NN) CHAR (2)

TB_Tax

PK	prov CHAR(2) (CK)
	tax_rate NUMBER(2) (NN)

prov in [BC, AB, SK, MB, ON, QC, NB, NS, NL, NT, NU, PE, YT]

TB_Order_Item

PK, FK1	order_number VARCHAR2(60)
PK, FK2	product_number VARCHAR2(60

TB_Category

PK	category_num VARCHAR2(60)
	name VARCHAR2 (NN)(60)
	parent_category_number VARCHAR2(60)

prov in [BC, AB, SK, MB, ON, QC, NB, NS, NL, NT, NU, PE, YT]

TB_Product

PK	product_number VARCHAR2(60)
	title (NN) VARCHAR2(300)
	description VARCHAR2(4000)
	price (CK) (NN) NUMBER(20,2)
	weight_kg (NN) (CK) NUMBER(5)
	tax_exempt (CK) (NN) NUMBER(1)
FK	category_num (NN) VARCHAR2(60)

weight >= 0
price >= 0
tax_exempt either 0 or 1

TB_Product_Manifest

PK, FK1	supplier_number VARCHAR2(60)
PK, FK2	product_number VARCHAR2(60)
	quantity (CK) (NN) NUMBER(64)
	est_days (CK)(NN) NUMBER (3)

quantity >= 0
est_days >= 0

TB_Supplier

PK	supplier_number VARCHAR2(60)
	name (UK) (NN)VARCHAR2(60)
	email_address (UK) (NN)VARCHAR2(60)
	city VARCHAR2(60)
	prov (CK) CHAR(2)