General Notes:

* Keep the primary key at the top of the attributes so it’s the first column in the database table.
* Make sure you give meaningful names to attributes and tables so the user can clearly understand what they do.
* Make sure that when you are giving space for data that is enter ie Varchar2(**100**) that you give enough space. I noticed that you gave little space when it came to addresses and names so watch out for that.

Edmund Sales

Appliance\_Guarantee : char(4)

Guarantee\_Expiry : Date

Guarantee\_Deletion : Date

Date\_Of\_Sale : Date

Customer\_Information : Varchar2(10)

Manufacture\_Id : Number

Customer\_Id : Number

Sale\_Id : Number

Sale\_Id : Number (Primary Key)

Customer\_Id : Numer (Foreign Key – Customer)

Serial\_Number : Number (Foreign Key – Edmund Stock)

Date\_Of\_Sale : Date

Guarantee\_Expiry : Date

**Note:**

* Appliance\_Guarantee is not needed since you have the foreign key that is connected to the Edmund Stock table. This table already had access to the guarantee.
* Guarantee\_Deletion would be the same as Guarantee\_Expire. The deletion date will be the same as the expiry date.
* Customer\_Information is not needed since you have a Customer table which you can reference using the Customer\_Id foreign key.
* Manufacture\_Id won’t be needed since you have a foreign key to the Edmund Stock table.

Product Manufacture

Manufacture\_Name : Varchar2(10)

Manufacture\_Address : Varchar2(20)

Manufacture\_Id : Varchar2(20)

Manufacture\_Id : Varchar2(4) (Primary Key)

Center\_Id : Number (Foreign Key – Service Center)

Manufacture\_Name : Varchar2(50)

Manufacture\_Address : Varchar2(100)

**Note:**

* Added the Center\_Id to connect the service center to this table since I saw that you might need to reference a service center to a manufacturing brand when sending a repair to get fixed outside of the Edmund repair shop.
* For Manufacture\_Id you shouldn’t have the space to be 20. 4 should be enough.

Edmund Repair Shop

Name\_Of\_Shop : Varchar2(30)

Customer\_Id : Number

Customer\_Number : Number

Customer\_Address : Varchar2(20)

Fault\_Desciption : Varchar2(20)

Customer\_Appliance : Varchar2(10)

Manufacture\_Address : Varchar2(30)

Appliance\_Serial : Number

Appliance\_Brand : Varchar2(10)

Date\_Of\_Sale : Date

Repair\_Id : Number (Primary Key)

Serial\_Number : Number (Foreign Key – Edmund Stock)

Sale\_Id : Number (Foreign Key – Edmund Sales)

Customer\_Id : Number (Foreign Key – Customer)

Fault\_Description : Varchar2(50)

Start\_Repair\_Date : Date

Appliance\_Condition : Varchar2(30)

Repair\_Information : Varchar2(50)

Parts\_Replaced : Varchar2(50)

End\_Repair\_Date : Date

Repair\_Duration : Number

Center\_Id : Number (Foreign Key – Service Center)

Repair\_Returned : Date

**Note:**

We can talk about this later :D

Service Center

Center\_Id : Number (Primary Key)

Name : Varchar2(30)

Address : Varchar2(100)

**Note:**

* Added this table since I thought it was needed. The service center is mentioned throughout the text if the repair must be sent away to get fixed.

Customer

Name : Varchar2(20)

Address : Varchar2(30)

Customer\_Id : Number

Phone\_Number : Number

Email : Varchar2(20)

Customer\_Id : Number (Primary Key)

Name : Varchar2(30)

Address : Varchar2(100)

Phone\_Number : Number

Email : Varchar2(30)

Edmund Stock

Appliance\_brand : Varchar2(30)

Appliance\_serial : Number

Manufacture\_Id : Varchar2(20)

Appliance\_Guarantee : Number

Cost : Number

Quantity\_In\_Stock : Number

Serial\_Number : Number (Primary Key)

Manufacture\_Id : Number (Foreign Key – Product Manufacture)

Brand : Varchar2(50)

Guarantee\_Length : Number

Cost : Number

Quantity : Number