

LOTTIE'S SHARE DESIGN (Behind the Scenes)

*** There is a video immediately following this lab that walks you through this design section, including the code files.**

If you find this section confusing, watch the video. If you read this section and it makes sense, skip the video.

ACME-ADU Exchange Design



Lottie's ACME_DETROIT Share

Object Definition Code



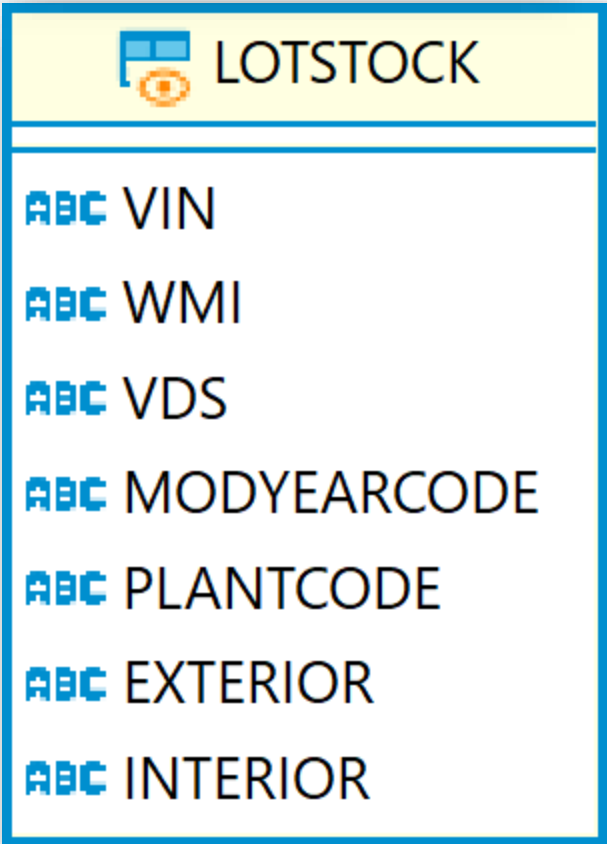
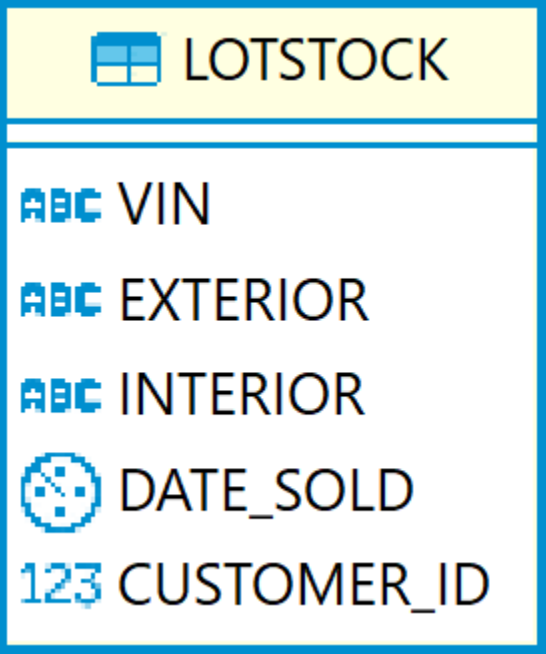
```
CREATE OR REPLACE TABLE ACME.STOCK.LOTSTOCK
(
  VIN VARCHAR(17)
, EXTERIOR VARCHAR(50)
, INTERIOR VARCHAR(50)
, DATE_SOLD DATE
, CUSTOMER_ID NUMBER(20)
);
```

Object Data Preview

VIN	EXTERIOR	INTERIOR	DATE_SOLD	CUSTOMER_ID
SAJAJ4FX8LCP55916	Yulong Whit...	Ebony/Tonal Stitch	2020-05-01	1
SADCJ2FX2LA651904	Narvik Black	Ebony/Tonal Stitch	2020-05-15	2
SADCJ2FX3LA653693	Narvik Black	Ebony/Tonal Stitch		
SADCK2FX5LA617114	Silicon Silver...	Light Oyster/Pistachio		
SADCK2GX8LA647237	Eiger Grey ...	Ebony/Tan Stitch		
SADCK2GX1LA643093	Eiger Grey ...	Ebony/Tan Stitch		
SADCL2GX2LA620676	Santorini Bla...	Ebony w/Pimento Red		
SADCM2FV4LA634592	Silicon Silver...	Brogue/Light Oyster		
SADCM2FV0LA618308	Eiger Grey ...	Ebony/Light Oyster Stitch		
SADCP2FX2LA617413	Santorini Bla...	Ebony/Pimento		

Lottie enters her new inventory into this table.

ERD Entity View



```
CREATE OR REPLACE SECURE VIEW ACME.ADU.LOTSTOCK
AS (
  SELECT VIN
    , LEFT(VIN,3) as WMI
    , SUBSTR(VIN,4,5) as VDS
    , SUBSTR(VIN,10,1) as MODYEARCODE
    , SUBSTR(VIN,11,1) as PLANTCODE
    , EXTERIOR
    , INTERIOR
  FROM ACME.STOCK.LOTSTOCK
  WHERE DATE_SOLD is NULL
);
```

This view breaks the VIN into component parts like WMI, VDS, Model Year and Plant Code.

VIN	WMI	VDS	MODYEARCODE	PLANTCODE	EXTERIOR	INTERIOR
WBA73AK05L7F70676	WBA	73AK0	L	7	Alpine White	Black SensaTec
			L	7	Mineral Grey Metallic	Black SensaTec
			L	7	Mineral White Metallic	Black SensaTec
			L	7	Alpine White	Magma Red Dakota Leather
			L	8	Mineral Grey Metallic	Black SensaTec
			L	8	Alpine White	Black SensaTec
			L	8	Alpine White	Black SensaTec
			L	8	Jet Black	Canberra Beige SensaTec
			L	8	Melbourne Red Metallic	Black SensaTec
			L	8	Portimao Blue Metallic	Black SensaTec
3MW5R7J09L8B23144	3MW	5R7J0	L	8	Jet Black	Black SensaTec
3MW5R7J00L8B29303	3MW	5R7J0	L	8	Alpine White	Black SensaTec
3MW5R7J06L8B16491	3MW	5R7J0	L	8	Jet Black	Canberra Beige Vernasca Lthr
3MW5R7J07L8B28844	3MW	5R7J0	L	8	Portimao Blue Metallic	Black SensaTec
3MW5R7J08L8B30621	3MW	5R7J0	L	8	Jet Black	Black SensaTec
3MW5R7J05L8B28194	3MW	5R7J0	L	8	Mineral Grey Metallic	Black SensaTec
3MW5R7J04L8B29904	3MW	5R7J0	L	8	Portimao Blue Metallic	Black SensaTec



ACME-ADU Exchange Design



Lottie's ACME_DETROIT Share

Outbound Share created as foundation for listing.



Create a Secure Share and add Database objects to it

A Secure Share is a package or container comprising Database objects that contain the data you want to share. Once you setup Tables or Secure Views in the Database, ready with the data you intend to share, you can add them to the Secure Share.

Have you prepared the data? Identify and prepare data you want to include in the Secure Share. [Learn more](#) about preparing data.

Create

Select a Database and Schemas. Select Tables or Views within each Schema to add to the Secure Share.

Secure Share Name

ACME_DETROIT

Database

ACME

Tables & Views

Select Tables & Secure Views 0 Tables, 1 Secure View

ACME.ADU.LOTSTOCK

Remove All

Comment

Lot stock for enhancement by ADU

Show SQL

Cancel

Create

```
1 CREATE SHARE "ACME_DETROIT"
2 COMMENT='Lot stock for enhancement by ADU';
3
4 GRANT USAGE ON DATABASE "ACME"
5 TO SHARE "ACME_DETROIT";
6
7 GRANT USAGE ON SCHEMA "ACME"."ADU"
8 TO SHARE "ACME_DETROIT";
9
10 GRANT SELECT ON VIEW "ACME"."ADU"."LOTSTOCK"
11 TO SHARE "ACME_DETROIT";
```

When creating the outbound share for the listing, do not add consumers.

Inbound Outbound Create Add Consumers Edit Drop

Search Outbound Secure Shares 2 Outbound Secure Shares Columns










Secure Share Name	Shared With	Database	Creation Time	Owner	Comment
ACME_DETROIT	Add Consumers	ACME	12:56:18 PM	ACCOUNTADMIN	Lot stock for en...

ACME-ADU Exchange Design




Lottie’s ACME_DETROIT Share

Outbound Share created as foundation for listing.





Secure Shares


Last refreshed 12:47:25 PM 


Inbound

Outbound

 Create

 Add Consumers

 Edit

 Drop

1 Outbound Secure Shares

Columns ▼

Secure Share Name	Shared With	Database	Owner	Comment
ACME_DETROIT	'ALL ACCOUNTS IN DATA EXCHANGE'	ACME	ACCOUNTADMIN	Lot stock for enhancement by ADU

This value gets filled in when you set up your listing in the Exchange.
If this field has a direct share account listed as a Consumer, it cannot be used in an exchange.

ACME-ADU Exchange Design



Lottie's ACME_DETROIT Share

Code and Data Files

OPTIONAL

Download and run the code to create the schemas, table, view, and share for Lottie's share.

Do this only if you think it will help you understand the design better.



✓
CODE-8A-BehindScenesLottie.txt



✓
Lotties_LotStock_Data.csv

