

## FINAL PROJECT: GROUP MODEL CHANGELOG

Created 20221212\_V6-EuropeanCarManufacturer-SQLServer2019.erwin (in GitHub project folder ~/Erwin Version History/) on December 12, 2022

Commit @ <https://github.com/G915-2-Data-Modeling-381/Final-Group-Project/commit/4463672b2541878f5036262100c3a9d59f0b4b21>

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#### Changelog:

- Revised definitions of business objects in the CDM:

Business Object	Definition
Country	The political territory in which vehicles are manufactured, or the vehicle manufacturer is headquartered.
Customer	A person who buys vehicle(s) from staff.
Manufacturer Vehicle Model	The model of a vehicle, designed by the manufacturer.
Manufacturer Vehicle Make	The brand of manufacturer who makes a vehicle.
Manufacturer Vehicle Stock	A manufactured vehicle with a make & model, and other concrete characteristics; the vehicle a manufacturer has in stock.
Sales Order Vehicle	A customer's order of a vehicle, processed by staff.
Sales Order Vehicle Detail	The details of a vehicle sales order.
Staff	A member of staff, online or at a dealership, who sells vehicles to customers.
Customer Marketing Information	The marketing information of a customer.
Customer Comment	The comments (likes or dislikes) a customer has about a vehicle.
User Authorization	The authorization of parties involved in the selling & buying of vehicles.

- Revised parent-child/child-parent relationship phrases in the CDM & LDM:

Child Entity	Parent Entity	Child-To-Parent Phrase	Parent-to-Child Phrase
Sales Order Vehicle	Customer	belongs to	has
Staff	Staff	managed by	manages
Customer	Country	resides in	resided in by
Sales Order Vehicle	Staff	produced by	produces
Sales Order Vehicle Detail	Manufacturer Vehicle Stock	contains	can have
Manufacturer Vehicle Stock	Manufacturer Vehicle Model	belongs to	has

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Manufacturer Vehicle Stock	Manufacturer Vehicle Make	made by	makes a
Manufacturer Vehicle Make	Country	made in	makes
Customer Marketing Information	Customer	belongs to	has
Sales Order Vehicle Detail	Sales Order Vehicle	belongs to	has
Customer Comment	Manufacturer Vehicle Stock	made on	can have
Manufacturer Vehicle Model	User Authorization	authorized by	authorizes
Customer Comment	User Authorization	authorized by	authorizes
Manufacturer Vehicle Stock	User Authorization	authorized by	authorizes
Sales Order Vehicle Detail	User Authorization	authorized by	authorizes
Staff	User Authorization	authorized by	authorizes
Customer Marketing Information	User Authorization	authorized by	authorizes
Sales Order Vehicle	User Authorization	authorized by	authorizes
Country	User Authorization	authorized by	authorizes
Customer	User Authorization	authorized by	authorizes
Manufacturer Vehicle Make	User Authorization	authorized by	authorizes

- Added indexes/Inversion Entries on columns:
  - `HumanResources.Staff.StaffName`
  - `Sales.Customer.CustomerName`