IE6700 Data Management for Analytics

Milestone: Logical Model (Relational model)

Group 5

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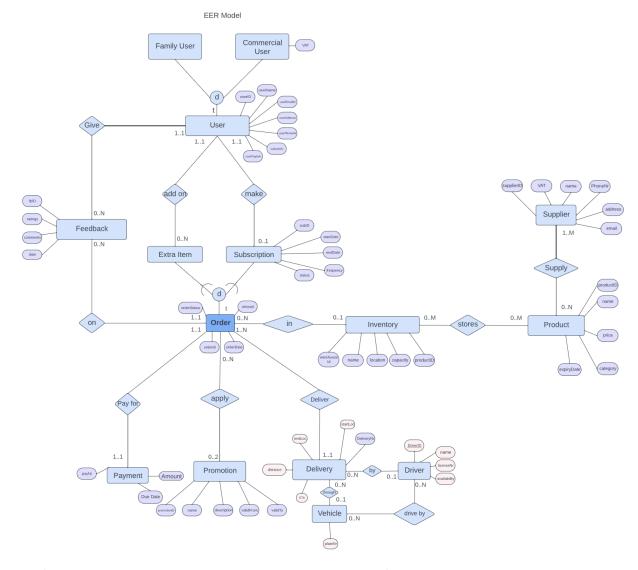6315389069 (Tel of Student 1)

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EER Model

USER (<u>UserID</u>, userName, userEmail, userAddress, userPhoneNr)

COMMERICIAL (<u>VAT</u>, *UserID*)

- UserID foreign key refers to UserID in USER, NULL ALLOWED

ORDER *(<u>OrderID</u>,* amount, orderStatus, orderDate, *DeliveryNr*, *WarehosueID*)

- DeliveryNr foreign key refers to DeliveryNr in DELIVERY, NULL ALLOWED
- WarehosueID foreign key refers to WarehosueID in INVENTORY, NULL ALLOWED

SUBSCRIPTION (<u>SubID</u>, startDate, endDate, frequency, status, *UserID* , *OrderID*)

- UserID foreign key refers to UserID in USER, NULL ALLOWED
- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED

EXTRA_ITEM (*UserID*, *OrderID*)

- UserID foreign key refers to UserID in USER, NULL ALLOWED
- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED

FEEDBACK (fbID, rating, comments, date, *UserID*, *OrderID*)

- UserID foreign key refers to UserID in USER, NULL ALLOWED
- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED

PAYMENT (PayNr, DueDate, amount, *OrderID*)

- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED

PROMOTION (PromotionID, name, description, VaildFrom, VaildTo, *OrderID*)

- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED

DELIVERY (DeliveryNr, StartLoc, EndLoc, Distances, ETA, *PlateNr*, *DriverID*)

- OrderID foreign key refers to OrderID in ORDER, NULL ALLOWED
- PlateNr foreign key refers to PlateNr in VEHICLE, NULL ALLOWED
- DriverID foreign key refers to DriverID in DRIVER, NULL ALLOWED

VEHICLE (PlateNr, *DeliveryNr*)

- DeliveryNr foreign key refers to DeliveryNr in DELIVERY, NULL ALLOWED

DRIVER (DriverID, name, licenseNr, availability)

DRIVES (*PlateNr*, *DriverID*)

- PlateNr foreign key refers to PlateNr in VEHICLE, NULL ALLOWED
- DriverID foreign key refers to DriverID in DRIVER, NULL ALLOWED

INVENTORY (WarehosueID, name, location, capacity)

PRODUCT (ProductID, name, price, category, expireDate)

SUPPLIER (SupplierID, VAT, name, phoneNr, address, email)

STORE (WarehosueID, ProductID)

- WarehosueID foreign key refers to WarehosueID in INVENTORY, NULL ALLOWED
- ProductID foreign key refers to ProductID in INVENTORY, NULL ALLOWED

SUPPLY (*SupplierID*, *ProductID*)

- SupplierID foreign key refers to SupplierID in SUPPLIER, NULL ALLOWED
- ProductID foreign key refers to ProductID in INVENTORY, NULL ALLOWED