Logical Data Model NEWE

Logical database model documentation

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1. Model details

Model name:

Logical Data Model NEWE

Version:

1.0

Description:

2. Entities

2.1. Entity Employee

2.1.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
employee_id	Integer	yes	yes	
full_name	NVarchar(100)	yes	no	
gender	NVarchar(10)	yes	no	
address	NVarchar(255)	yes	no	
phone_number	Varchar(20)	yes	no	
role	Varchar(50)	yes	no	
manager_id	Integer	no	no	
email	NVarchar(255)	yes	no	
password_hash	NVarchar(255)	yes	no	
access_level	Varchar(50)	yes	no	
EmployeeLocation	Varchar(100)	yes	no	

2.2. Entity Costumer

2.2.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
costumer_id	Integer	yes	yes	
full_name	NVarchar(100)	yes	no	
address	NVarchar(255)	yes	no	
employee_id	Integer	yes	no	
stage_id	Integer	yes	no	

2.3. Entity CustomerStage

2.3.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description

stage_id	Integer	yes	yes	
stage_name	Varchar(20)	yes	no	

2.4. Entity CustomerContact

2.4.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
contact_id	Integer	yes	yes	
customer_id	Integer	yes	no	
contact_type	Varchar(20)	yes	no	
contact_value	NVarchar(255)	yes	no	

2.5. Entity CustomerInteraction

2.5.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
interaction_id	Integer	yes	yes	
customer_id	Integer	yes	no	
employee_id	Integer	yes	no	
interaction_date	Date	yes	no	
interaction_type	Varchar(20)	yes	no	
interaction_report	NVarchar(255)	yes	no	
schedule_id	Integer	no	no	

2.6. Entity CustomerInteractionSchedule

2.6.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
schedule_id	Integer	yes	yes	
customer_id	Integer	yes	no	
employee_id	Integer	yes	no	

scheduled_date	DateTime	yes	no	
interaction_type	Varchar(20)	yes	no	
status	Varchar(20)	yes	no	
notes	Varchar(255)	no	no	

2.7. Entity Sale

2.7.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
sale_id	Integer	yes	yes	
customer_id	Integer	yes	no	
employee_id	Integer	yes	no	
sale_date	Date	yes	no	
total_value	Decimal(10, 2)	yes	no	
status	Varchar(20)	yes	no	

2.8. Entity AggregatedDelivery

2.8.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
aggregated_id	Integer	yes	yes	
sale_id	Integer	yes	no	
driver_name	NVarchar(100)	yes	no	
gender	Varchar(20)	yes	no	
vehicle_plate	Varchar(7)	yes	no	
cte_number	Varchar(50)	yes	no	
delivery_date	Date	yes	no	

2.9. Entity Vehicle

2.9.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description

vehicle_id	Integer	yes	yes	
plate_number	Varchar(7)	yes	no	
model	Varchar(20)	yes	no	
driver_id	Integer	yes	no	

2.10. Entity ChecklistResponse

2.10.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
response_id	Integer	yes	yes	
aggregated_id	Integer	yes	no	
checklist_id	Integer	yes	no	
response_text	Text(500)	yes	no	
response_date	Timestamp	yes	no	

2.11. Entity Checklist

2.11.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
checklist_id	Integer	yes	yes	
checklist_name	Varchar(100)	yes	no	
description	Text(500)	yes	no	

2.12. Entity EventTraining

2.12.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
event_id	Integer	yes	yes	
title	Varchar(100)	yes	no	
description	Text(500)	no	no	
start_date	DateTime	yes	no	
duration_hours	ShortFloat	yes	no	

created_by	Integer	yes	no	
document_temp late	Text(500)	yes	no	
status	Varchar(20)	yes	no	

2.13. Entity Attendance

2.13.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
attendance_id	Integer	yes	yes	
employee_id	Integer	yes	no	
event_id	Integer	yes	no	
status	Varchar(20)	yes	no	
decline_reaso n	Text(500)	no	no	
completion_da te	Text(500)	no	no	
acquired_know ledge	Text(500)	no	no	

2.14. Entity Notification

2.14.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
notification_ id	Integer	yes	yes	
employee_id	Integer	yes	no	
event_id	Integer	yes	no	
title	Varchar(100)	yes	no	
message	Text(500)	no	no	
sent_date	Timestamp	yes	no	
read_status	Boolean	yes	no	

2.15. Entity FacilityManagement

2.15.1. Attributes

Attribute name	Type	Is mandatory	Is primary identifier	Description
facility_id	Integer	yes	no	
date	Date	yes	no	
responsible_employee_id	Integer	yes	no	
status	Varchar(20)	yes	no	
notes	Text(500)	yes	no	

3. Associations

3.1. Association ReportsTo

Attribute name	Type	Is mandatory	Description
manager_id	Integer	yes	

4. Entity relationships

4.1. Entity relationship CustomerContact_Costumer

Costumer	1..*	CustomerContact
	<->	

4.2. Entity relationship Costumer_Employee

Employee	1..*	Costumer
	<->	

4.3. Entity relationship CustomerInteraction_Employee

Employee	1..*	CustomerInteraction
	<->	

4.4. Entity relationship CustomerStage_Costumer

Costumer	1..1	CustomerStage
	<->	

4.5. Entity relationship CustomerInteraction_Costumer

Costumer	1..*	CustomerInteraction
	<->	

4.6. Entity relationship CustomerInteraction_CustomerInteractionSchedule

CustomerInteractionSchedule	1..1	CustomerInteraction
	<->	

4.7. Entity relationship CustomerInteractionSchedule_Employee

Employee	1..*	CustomerInteractionSchedule
	<->	

4.8. Entity relationship CustomerInteractionSchedule_Costumer

Costumer	1..*	CustomerInteractionSchedule
	<->	

4.9. Entity relationship Sale_Costumer

Costumer	1..*	Sale
	<->	

4.10. Entity relationship Sale_Employee

Employee	1..*	Sale
	<->	

4.11. Entity relationship Vehicle_AggregatedDelivery

AggregatedDelivery	1..*	Vehicle
	<->	

4.12. Entity relationship AggregatedDelivery_Sale

Sale	1..1	AggregatedDelivery
	<->	

4.13. Entity relationship ChecklistResponse_AggregatedDelivery

AggregatedDelivery	1..*	ChecklistResponse
	<->	

4.14. Entity relationship ChecklistResponse_Checklist

Checklist	1..*	ChecklistResponse
	<->	

4.15. Entity relationship Employee_EventTrainingMANAGER

EventTraining	1..1	Employee
	<->	

4.16. Entity relationship Attendance_Employee

Employee	*..*	Attendance
	<->	

4.17. Entity relationship Attendance_EventTraining

EventTraining	*..*	Attendance
	<->	

4.18. Entity relationship Notification_EventTraining

EventTraining	1..1	Notification
	<->	

4.19. Entity relationship Notification_Employee

Employee	*..*	Notification
	<->	

4.20. Entity relationship FacilityManagement_Employee

Employee	1..*	FacilityManagement
	<->	

5. Association relationships

5.1. Association relationship Employee_ReportsTo

ReportsTo	1..*	Employee
	<->	

5.2. Association relationship ReportsTo_Employee

ReportsTo	1..*	Employee
	<->	

6. Areas

7. Notes