

Delivery company final

Database model documentation

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1. Model details

Model name:

Delivery company final

Version:

2.3

Database engine:

Oracle Database

Description:

2. Tables

2.1. Table country

2.1.1. Columns

Column name	Type	Properties	Description
id	number	PK	
code	varchar2(2)	null	
dialing_code	varchar2(5)		

2.2. Table courier

2.2.1. Columns

Column name	Type	Properties	Description
id	number	PK	
name	varchar2(40)		
surname	varchar2(50)		
creation_date	date	null	
age	number	null	

2.3. Table vehicle

2.3.1. Columns

Column name	Type	Properties	Description
id	number	PK	
numberplate	varchar2(10)	null	
brand	varchar2(40)	null	
production_year	number	null	
vin	varchar2(17)	null	
creation_date	date	null	

2.4. Table address

2.4.1. Columns

Column name	Type	Properties	Description
id	number	PK	

street	varchar2(50)	null	
street_number	number	null	
postal_code	varchar2(8)	null	
city	varchar2(40)	null	
country_id	number		

2.5. Table customer

2.5.1. Columns

Column name	Type	Properties	Description
id	number	PK	
name	varchar2(40)	null	
surname	varchar2(50)	null	
company	varchar2(40)	null	
creation_date	date	null	
tax_number	varchar2(40)	null	

2.6. Table address_customer

2.6.1. Columns

Column name	Type	Properties	Description
id	number	PK	
customer_id	number		
address_id	number		

2.7. Table package

2.7.1. Columns

Column name	Type	Properties	Description
id	number	PK	
recipient_id	number		
sender_id	number		
delivery_address_id	number		
creation_date	date	null	

2.8. Table route_element

2.8.1. Columns

Column name	Type	Properties	Description
id	number	PK	
vehicle_id	number	null	
package_id	number	null	
courier_id	number	null	
description	varchar2(100)	null	
prev_route_element	number	null	
next_route_element	number	null	
creation_date	date	null	

2.9. Table refund

2.9.1. Columns

Column name	Type	Properties	Description
id	number	PK	
package_id	number		
iban	varchar2(50)	null	
swift_code	varchar2(10)	null	
bank_account_owner	varchar2(100)	null	
amount_of_money	numeric	null	
status	varchar2(20)	null	
creation_date	date	null	

2.10. Table complaint

2.10.1. Columns

Column name	Type	Properties	Description
id	number	PK	
description	varchar2(250)	null	
courier_id	number	null	

customer_id	number	null	
creation_date	date	null	

3. References

3.1. Reference FK_0

customer	0..*	address_customer
id	<->	customer_id

3.2. Reference FK_1

address	0..*	address_customer
id	<->	address_id

3.3. Reference FK_2

customer	0..*	package
id	<->	recipient_id

3.4. Reference FK_3

customer	0..*	package
id	<->	sender_id

3.5. Reference FK_4

address	0..*	package
id	<->	delivery_address_id

3.6. Reference FK_5

vehicle	0..*	route_element
id	<->	vehicle_id

3.7. Reference FK_6

package	0..*	route_element
id	<->	package_id

3.8. Reference FK_7

courier	0..*	route_element
id	<->	courier_id

3.9. Reference FK_8

customer	0..*	refund
id	<->	package_id

3.10. Reference FK_9

courier	0..*	complaint
id	<->	courier_id

3.11. Reference FK_10

customer	0..*	complaint
id	<->	customer_id

3.12. Reference address_country

country	0..*	address
id	<->	country_id

4. Sequences

Sequence name	Starts with	Description
package_id_sequence	1	
customer_id_sequence	1	
address_id_sequence	1	
courier_id_sequence	1	
vehicle_id_sequence	1	
address_customer_id_sequence	1	
refund_id_sequence	1	
route_element_id_sequence	1	
complaint_id_sequence	1	