Database model documentation

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1. Model details

Model name:

Project

Version:

2.4

Database engine:

Oracle Database

Description:

2. Tables

2.1. Table Addresses

2.1.1. Columns

Column name	Type	Properties	Description
idAddress	integer	PK	
country	varchar2(100)		
city	varchar2(100)		
Street	varchar2(100)		
zip	varchar2(100)		
apartment	varchar2(100)		
CREATION_DATE	timestamp		

2.2. Table Bike

2.2.1. Columns

Column name	Type	Properties	Description
idBike	integer	PK	
isActive	number(1,0)		
code	varchar2(10)		
lockerPassCode	varchar2(6)		
currentStation	integer		

2.3. Table Rental

2.3.1. Columns

Column name	Type	Properties	Description
idRental	integer	PK	
idPerson	integer		
idBike	integer		
rentDate	date		
takenTime	date		
returnedTime	date	null	
start	integer		

destination	integer	null	

2.4. Table Station

2.4.1. Columns

Column name	Type	Properties	Description
idStation	integer	PK	
name	varchar2(30)		
latitude	number(6,4)		
longtitude	number(6,4)		
idAddress	integer		

2.5. Table Report

2.5.1. Columns

Column name	Type	Properties	Description
idReport	integer	PK	
idBike	integer		
idPerson	integer		
title	varchar2(50)		
description	varchar2(1000)		
reportDate	date		

2.6. Table Person

2.6.1. Columns

Column name	Type	Properties	Description
idPerson	integer	PK	
idAddress	integer		
firstName	varchar2(100)		
lastName	varchar2(100)		
peselNumber	varchar2(16)		

2.7. Table ADDRESSES_LOG

2.7.1. Columns

Column name	Type	Properties	Description
LOG_ID	number(20)	PK	
INSERT_DATE	date		

3. References

3.1. Reference Station_Addresses

Addresses	0..*	Station
idAddress	<->	idAddress

3.2. Reference Person_Addresses

Addresses	0..*	Person
idAddress	<->	idAddress

3.3. Reference Rental_Person

Person	0..*	Rental
idPerson	<->	idPerson

3.4. Reference Rental_Bike

Bike	0..*	Rental
idBike	<->	idBike

3.5. Reference Bike_Station

Station	0..*	Bike
idStation	<->	currentStation

3.6. Reference Report_Bike

Bike	0..*	Report
idBike	<->	idBike

3.7. Reference Report_Person

Person	0..*	Report
idPerson	<->	idPerson

3.8. Reference start_Station

Station	0..*	Rental
idStation	<->	start

3.9. Reference dest_Station

Station	0..*	Rental
idStation	<->	destination

3.10. Reference ADDRESSES_LOG_Addresses

Addresses	0..*	ADDRESSES_LOG
idAddress	<->	LOG_ID