PHYSICAL MODEL

FOR PROJECT

MODEL Gokarty model fizyczny

PostgreSQL 12

Version

Created: 26.11.2022 Last Modified: 31.12.2022

Model Description

Entity Report

Full Name	Primary Key	# Attribu
		tes
gokarty.app_role	id_app_role	2
gokarty.app_user	id_app_user	7
gokarty.app_user_role	id_app_user, id _app_role	2
gokarty.email_confirmation_token	id_email_confirmation_token	6
gokarty.invoice	id_invoice, period, id_track, id_app_user	4
gokarty.kart	id_kart	3
gokarty.reservation	period, id_track, id_app_user	5
gokarty.reservation_kart	id_kart, period, id_track, id_app_user	4
gokarty.track	id_track	2

Entity 'gokarty.app_role'

0 11	
Caption	app_role
Caption	I ADD TUIE

Primary Key 'Unique_Identifier3'

Attribute	Туре	Parent Entity
id_app_role	PK	

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_app_ro le		Bigint	YES	NO	NO	NO	
	name		Character varying(30)	YES	NO	NO	NO	

Full Name	Туре	Parent Entity	Child Entity	Card.
FK07	Identifying	gokarty.app_role	gokarty.app_user_r ole	1:N

Entity 'gokarty.app_user'

Caption app_u	user
---------------	------

Primary Key 'Unique_Identifier1'

Attribute	Туре	Parent Entity
id_app_user	PK	

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_app_u ser		Bigint	YES	NO	NO	NO	
	name		Character varying(40)	YES	NO	NO	NO	
	phone		gokarty.ph one	YES	NO	NO	NO	
	email	Email	Character varying	YES	NO	NO	NO	
	password		Character varying(25 5)	YES	NO	NO	NO	
	locked		Boolean	YES	NO	NO	YES	
	enabled		Boolean	NO	NO	NO	YES	

Full Name	Туре	Parent Entity	Child Entity	Card.
FK06	Identifying	gokarty.app_user	gokarty.app_user_r ole	1:N
FK08	Identifying	gokarty.app_user	gokarty.reservation	1:N
FK05	Non-identifyin g	gokarty.app_user		1:N

Entity 'gokarty.app_user_role'

Caption	app_user_role
---------	---------------

Primary Key 'Unique_Identifier9'

Attribute	Туре	Parent Entity
id_app_user	PFK	gokarty.app_user
id _app_role	PFK	gokarty.app_role

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PFK	id_app_u ser		Bigint	YES	NO	NO	NO	
PFK	id _app_role		Bigint	YES	NO	NO	NO	

Full Name	Туре	Parent Entity	Child Entity	Card.
FK06	Identifying	gokarty.app_user	gokarty.app_user_r ole	1:N
FK07	Identifying	gokarty.app_role	gokarty.app_user_r ole	1:N

Entity 'gokarty.email_confirmation_token'

Caption	email_confirmation_token
---------	--------------------------

Primary Key 'Unique_Identifier2'

Attribute	Туре	Parent Entity
id_email_confirmation_token	PK	

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_email_ confirmat ion_token		Bigint	YES	NO	NO	NO	
	token		Character varying(10 0)	YES	NO	NO	NO	
	created_a t		Timestam p(6)	YES	NO	YES	NO	
	expires_a t		Timestam p(6)	YES	NO	NO	NO	
	confirmed _at		Timestam p(6)	NO	NO	NO	NO	
FK	id_app_u ser		Bigint	YES	NO	NO	NO	

Relationships

Full Name	Туре	Parent Entity	Child Entity	Card.
FK05	Non-identifyin g	gokarty.app_user	gokarty.email_confir mation_token	1:N

Indexes

Full Name	Attributes	Uniqu e
IX_FK05	id_app_user	NO

Entity 'gokarty.invoice'

Caption	invoice
---------	---------

Primary Key 'Unique_Identifier8'

Attribute	Туре	Parent Entity
id_invoice	PK	
period	PFK	gokarty.reservation
id_track	PFK	gokarty.reservation
id_app_user	PFK	gokarty.reservation

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_invoice		Bigint	YES	NO	NO	NO	
PFK	period		Tsrange	YES	NO	NO	NO	
PFK	id_track		Bigint	YES	NO	NO	NO	
PFK	id_app_u ser		Bigint	YES	NO	NO	NO	

Full Name	Туре	Parent Entity	Child Entity	Card.
Relationship1	Identifying	gokarty.reservation	gokarty.invoice	1:1

Entity 'gokarty.kart'

	l , ,
Caption	kart
Laption	i Nai i

Primary Key 'Unique_Identifier5'

Attribute	Туре	Parent Entity
id_kart	PK	

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_kart		Bigint	YES	NO	NO	NO	
	name		Character varying(10 0)	YES	NO	NO	NO	
	difficulty_ level		gokarty.Dif ficulty	NO	NO	NO	NO	

Full Name	Туре	Parent Entity	Child Entity	Card.
FK02	Identifying	gokarty.kart	gokarty.reservation _kart	1:N

Entity 'gokarty.reservation'

Caption	reservation
---------	-------------

Primary Key 'PK_reservation'

Attribute	Туре	Parent Entity
period	PK	
id_track	PFK	gokarty.track
id_app_user	PFK	gokarty.app_user

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	period		Tsrange	YES	NO	YES	NO	
PFK	id_track		Bigint	YES	NO	NO	NO	
PFK	id_app_u ser		Bigint	YES	NO	NO	NO	
	number_ of_people		Integer	YES	NO	NO	NO	
	cost		Numeric	YES	NO	NO	NO	

Relationships

Full Name	Туре	Parent Entity	Child Entity	Card.
FK08	Identifying	gokarty.app_user	gokarty.reservation	1:N
FK04	Identifying	gokarty.track	gokarty.reservation	1:N
FK03	Identifying	gokarty.reservation	gokarty.reservation _kart	1:N
Relationship1	Identifying	gokarty.reservation	gokarty.invoice	1:1

Indexes

Full Name	Attributes	Uniqu e
IX_EXC01	id_app_user WITH =, id_track WITH =, period WITH &&	NO

Entity 'gokarty.reservation_kart'

Caption	reservation_kart
---------	------------------

Primary Key 'Unique_Identifier10'

Attribute	Туре	Parent Entity
id_kart	PFK	gokarty.kart
period	PFK	gokarty.reservation
id_track	PFK	gokarty.reservation
id_app_user	PFK	gokarty.reservation

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PFK	id_kart		Bigint	YES	NO	NO	NO	
PFK	period		Tsrange	YES	NO	NO	NO	
PFK	id_track		Bigint	YES	NO	NO	NO	
PFK	id_app_u ser		Bigint	YES	NO	NO	NO	

Relationships

Full Name	Туре	Parent Entity	Child Entity	Card.
FK02	Identifying	gokarty.kart	gokarty.reservation _kart	1:N
FK03	Identifying	gokarty.reservation	gokarty.reservation _kart	1:N

Indexes

Full Name	Attributes	Uniqu e
IX_EXC02	id_kart WITH =, period WITH &&	NO

Entity 'gokarty.track'

Caption	track
---------	-------

Primary Key 'Unique_Identifier4'

Attribute	Туре	Parent Entity
id_track	PK	

Attributes

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ₃₎	D ⁴⁾	Comments
PK	id_track		Bigint	YES	NO	NO	NO	
	length		Integer	YES	NO	NO	NO	

Full Name	Туре	Parent Entity	Child Entity	Card.
FK04	Identifying	gokarty.track	gokarty.reservation	1:N

¹⁾Not Null 2)Unique 3)Check 4)Default

Attribute Report

Full Name	Entity	Domain	Data Type	PK	FK
id ann role	gokarty app. rolo		Digint	YES	NO
id_app_role name	gokarty.app_role gokarty.app_role		Bigint Character varying(30)	NO	NO
email	gokarty.app_user	Email	Character varying	NO	NO
enabled	gokarty.app_user		Boolean	NO	NO
id_app_user	gokarty.app_user		Bigint	YES	NO
locked	gokarty.app_user		Boolean	NO	NO
name	gokarty.app_user		Character varying(40)	NO	NO
password	gokarty.app_user		Character varying(255)	NO	NO
phone	gokarty.app_user		gokarty.pho ne	NO	NO
id _app_role	gokarty.app_user_rol e		Bigint	YES	YES
id_app_user	gokarty.app_user_rol e		Bigint	YES	YES
confirmed_at	gokarty.email_confirm ation_token		Timestamp(6)	NO	NO
created_at	gokarty.email_confirm ation_token		Timestamp(6)	NO	NO
expires_at	gokarty.email_confirm ation_token		Timestamp(6)	NO	NO
id_app_user	gokarty.email_confirm ation_token		Bigint	NO	YES
id_email_confirmation_to ken	gokarty.email_confirm ation_token		Bigint	YES	NO
token	gokarty.email_confirm ation_token		Character varying(100)	NO	NO
id_app_user	gokarty.invoice		Bigint	YES	YES
id_invoice	gokarty.invoice		Bigint	YES	NO
id_track	gokarty.invoice		Bigint	YES	YES
period	gokarty.invoice		Tsrange	YES	YES
difficulty_level	gokarty.kart		gokarty.Diff	NO	NO

Full Name	Entity	Domain	Data Type	PK	FK
			iculty		
id_kart	gokarty.kart		Bigint	YES	NO
name	gokarty.kart		Character varying(100)	NO	NO
cost	gokarty.reservation		Numeric	NO	NO
id_app_user	gokarty.reservation		Bigint	YES	YES
id_track	gokarty.reservation		Bigint	YES	YES
number_of_people	gokarty.reservation		Integer	NO	NO
period	gokarty.reservation		Tsrange	YES	NO
id_app_user	gokarty.reservation_k art		Bigint	YES	YES
id_kart	gokarty.reservation_k art		Bigint	YES	YES
id_track	gokarty.reservation_k art		Bigint	YES	YES
period	gokarty.reservation_k art		Tsrange	YES	YES
id_track	gokarty.track		Bigint	YES	NO
length	gokarty.track		Integer	NO	NO

Attribute 'id_app_role'

Caption	id_app_role
Entity	gokarty.app_role
Primary Key	YES
Foreign Key	NO
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'name'

Caption	name
Entity	gokarty.app_role
Primary Key	NO
Foreign Key	NO
Data Type	Character varying(30)
Not Null	YES
Unique	NO

Attribute 'email'

Caption	email
Entity	gokarty.app_user
Primary Key	NO
Foreign Key	NO
Domain	Email
Data Type	Character varying
Not Null	YES
Unique	NO

Check Constraints from Domain

Check	
Constraint	CheckConstraintEmail
Name	
Check	<%ColumnName%> ~ '^+@[a-zA-Z_]+?[a-zA-Z]2,3\$'

Attribute 'enabled'

Caption	enabled
Entity	gokarty.app_user
Primary Key	NO
Foreign Key	NO
Data Type	Boolean
Not Null	NO
Unique	NO
Default	false

Attribute 'id_app_user'

Caption	id_app_user
Entity	gokarty.app_user
Primary Key	YES
Foreign Key	NO
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'locked'

Caption	locked
Entity	gokarty.app_user

Primary Key	NO
Foreign Key	NO
Data Type	Boolean
Not Null	YES
Unique	NO
Default	false

Attribute 'name'

Caption	name
Entity	gokarty.app_user
Primary Key	NO
Foreign Key	NO
Data Type	Character varying(40)
Not Null	YES
Unique	NO

Attribute 'password'

Caption	password
Entity	gokarty.app_user
Primary Key	NO
Foreign Key	NO
Data Type	Character varying(255)
Not Null	YES
Unique	NO

Attribute 'phone'

Caption	phone		
Entity	gokarty.app_user		
Primary Key	NO		
Foreign Key	NO		
Dictionary Type	gokarty.phone	Data Type	Character varying(12)
Not Null	YES		
Unique	NO		

Attribute 'id _app_role'

Caption	id_app_role
Entity	gokarty.app_user_role
Primary Key	YES

Foreign Key	YES	Parent Entity	gokarty.app_role
Data Type	Bigint		
Not Null	YES		
Unique	NO		

Attribute 'id_app_user'

Caption	id_app_user
Entity	gokarty.app_user_role
Primary Key	YES
Foreign Key	YES Parent Entity gokarty.app_user
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute 'confirmed_at'

Caption	confirmed_at
Entity	gokarty.email_confirmation_token
Primary Key	NO
Foreign Key	NO
Data Type	Timestamp(6)
Not Null	NO
Unique	NO

Attribute 'created_at'

Caption	created_at
Entity	gokarty.email_confirmation_token
Primary Key	NO
Foreign Key	NO
Data Type	Timestamp(6)
Not Null	YES
Unique	NO

Check Constraints

Full Name	CheckConstraint1
Check	created_at <= CURRENT_DATE
Full Name	CheckConstraint2
Check	created_at < expires_at

Attribute 'expires_at'

Caption	expires_at
Entity	gokarty.email_confirmation_token
Primary Key	NO
Foreign Key	NO
Data Type	Timestamp(6)
Not Null	YES
Unique	NO

Attribute 'id_app_user'

Caption	id_app_user		
Entity	gokarty.email_confirmation_token		
Primary Key	NO		
Foreign Key	YES	Parent Entity	gokarty.app_user
Data Type	Bigint		
Not Null	YES		
Unique	NO		

Attribute 'id_email_confirmation_token'

Caption	id_email_confirmation_token	
Entity	gokarty.email_confirmation_token	
Primary Key	YES	
Foreign Key	NO	
Data Type	Bigint	
Not Null	YES	
Unique	NO	

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'token'

Caption	token
Entity	gokarty.email_confirmation_token
Primary Key	NO
Foreign Key	NO
Data Type	Character varying(100)
Not Null	YES
Unique	NO

Attribute 'id_app_user'

Caption	id_app_user
Entity	gokarty.invoice
Primary Key	YES
Foreign Key	YES Parent Entity gokarty.reservation
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute 'id_invoice'

Caption	id_invoice
Entity	gokarty.invoice
Primary Key	YES
Foreign Key	NO
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'id_track'

Caption	id_track
Entity	gokarty.invoice
Primary Key	YES
Foreign Key	YES Parent Entity gokarty.reservation
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute 'period'

Caption	period		
Entity	gokarty.invoice		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.reservation
Data Type	Tsrange		
Not Null	YES		
Unique	NO		

Attribute 'difficulty_level'

Caption	difficulty_level
Entity	gokarty.kart
Primary Key	NO
Foreign Key	NO
User Data Type	gokarty.Difficulty
Not Null	NO
Unique	NO

Attribute 'id_kart'

Caption	id_kart
Entity	gokarty.kart
Primary Key	YES
Foreign Key	NO
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'name'

Caption	name
Entity	gokarty.kart
Primary Key	NO
Foreign Key	NO
Data Type	Character varying(100)
Not Null	YES
Unique	NO

Attribute 'cost'

Caption	cost
Entity	gokarty.reservation
Primary Key	NO
Foreign Key	NO
Data Type	Numeric
Not Null	YES
Unique	NO

Attribute 'id_app_user'

Caption	id_app_user		
Entity	gokarty.reservation		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.app_user
Data Type	Bigint		
Not Null	YES		
Unique	NO		

Attribute 'id_track'

Caption	id_track
Entity	gokarty.reservation
Primary Key	YES
Foreign Key	YES Parent Entity gokarty.track
Data Type	Bigint
Not Null	YES
Unique	NO

Attribute 'number_of_people'

Caption	number_of_people
Entity	gokarty.reservation
Primary Key	NO
Foreign Key	NO
Data Type	Integer
Not Null	YES
Unique	NO

Attribute 'period'

Caption	period
Entity	gokarty.reservation
Primary Key	YES
Foreign Key	NO
Data Type	Tsrange
Not Null	YES
Unique	NO

Check Constraints

Full Name	CheckConstraint1
Check	lower(period) <= CURRENT_DATE

Attribute 'id_app_user'

Caption	id_app_user		
Entity	gokarty.reservation_kart		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.reservation

Data Type	Bigint
Not Null	YES
Unique	NO

Attribute 'id_kart'

Caption	id_kart		
Entity	gokarty.reservation_kart		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.kart
Data Type	Bigint		
Not Null	YES		
Unique	NO		

Attribute 'id_track'

Caption	id_track		
Entity	gokarty.reservation_kart		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.reservation
Data Type	Bigint		
Not Null	YES		
Unique	NO		

Attribute 'period'

Caption	period		
Entity	gokarty.reservation_kart		
Primary Key	YES		
Foreign Key	YES	Parent Entity	gokarty.reservation
Data Type	Tsrange		
Not Null	YES		
Unique	NO		

Attribute 'id_track'

Caption	id_track
Entity	gokarty.track
Primary Key	YES
Foreign Key	NO
Data Type	Bigint
Not Null	YES

|--|

Attribute Properties

Identity	YES
Generated Type	BY DEFAULT
Increment by	1
Max Value	NOMAXVALUE
Min Value	NOMINVALUE
Cache	1
Cycle	NO

Attribute 'length'

Caption	length
Entity	gokarty.track
Primary Key	NO
Foreign Key	NO
Data Type	Integer
Not Null	YES
Unique	NO

Key Report

Туре	Full Name	Entity
PK	Unique_Identifier3	gokarty.app_role
PK	Unique_Identifier1	gokarty.app_user
PK	Unique_Identifier9	gokarty.app_user_role
PK	Unique_Identifier2	gokarty.email_confirmation_token
PK	Unique_Identifier8	gokarty.invoice
PK	Unique_Identifier5	gokarty.kart
PK	PK_reservation	gokarty.reservation
PK	Unique_Identifier10	gokarty.reservation_kart
PK	Unique_Identifier4	gokarty.track

Key 'Unique_Identifier3'

Caption	Unique_Identifier3		
Туре	Primary Key		
Entity	gokarty.app_role		
Attribute		Order	Foreign Key
id_app_role		ASC	NO

Key 'Unique_Identifier1'

Caption	Unique_Identifier1		
Туре	Primary Key		
Entity	gokarty.app_user		
Attribute		Order	Foreign Key
id_app_user		ASC	NO

Key 'Unique_Identifier9'

Caption	Unique_Identifier9		
Туре	Primary Key		
Entity	gokarty.app_user_role		
A LL II			,
Attribute		Order	Foreign Key
id_app_user		Order ASC	YES YES

Key 'Unique_Identifier2'

Caption	Unique_Identifier2		
Type	Primary Key		
Entity	gokarty.email_confirmation_token		
Attribute		Order	Foreign Key
id_email_confirmation_token		ASC	NO

Key 'Unique_Identifier8'

Caption	Unique_Identifier8		
Type	Primary Key		
Entity	gokarty.invoice		
Attribute		Order	Foreign Key

id_invoice	ASC	NO
period	ASC	YES
id_track	ASC	YES
id_app_user	ASC	YES

Key 'Unique_Identifier5'

Caption	Unique_Identifier5		
Type	Primary Key		
Entity	gokarty.kart		
Attribute		Order	Foreign Key
id_kart		ASC	NO

Key 'PK_reservation'

Caption	PK_reservation		
Туре	Primary Key		
Entity	gokarty.reservation		
Attribute		Order	Foreign Key
period		ASC	NO
id_track		ASC	YES
id_app_user		ASC	YES

Key 'Unique_Identifier10'

Caption	Unique_Identifier10		
Туре	Primary Key		
Entity	gokarty.reservation_ka	art	
Attribute		Order	Foreign Key
id_kart		ASC	YES
period		ASC	YES
id_track		ASC	YES
id_app_user		ASC	YES

Key 'Unique_Identifier4'

Caption	Unique_Identifier4		
Type	Primary Key		
Entity	gokarty.track		
Attribute		Order	Foreign Key
id_track		ASC	NO

Index Report

Full Name	Uniqu e	Entity
IX_FK05	NO	gokarty.email_confirmation_token
IX_EXC01	NO	gokarty.reservation
IX_EXC02	NO	gokarty.reservation_kart

Index 'IX_FK05'

Caption	IX_FK05)		
Entity	gokarty	.email_confirmatio	n_token	
Unique	NO			
Attribute		Order	Primary Key	Foreign Key
id_app_user		ASC	NO	YES

Index Properties

ndex Access Method	btree
-----------------------	-------

Index 'IX_EXC01'

Caption	IX_EXC01
Entity	gokarty.reservation
Unique	NO
Expression	id_app_user WITH =, id_track WITH =, period WITH &&

Index Properties

Is Exclusion Constraint	YES
Index Access Method	gist

Index 'IX_EXC02'

Caption	IX_EXCO2
Entity	gokarty.reservation_kart
Unique	NO
Expression	id_kart WITH =, period WITH &&

Index Properties

Is Exclusion Constraint	YES
Index Access Method	gist

Relationship Report

Full Name	Туре	Parent Entity	Child Entity	Card.
FK02	Identifying	gokarty.kart	gokarty.reservation _kart	1:N
FK03	Identifying	gokarty.reservation	gokarty.reservation _kart	1:N
FK04	Identifying	gokarty.track	gokarty.reservation	1:N
FK05	Non-identifyin g	gokarty.app_user	gokarty.email_confir mation_token	1:N
FK06	Identifying	gokarty.app_user	gokarty.app_user_r ole	1:N
FK07	Identifying	gokarty.app_role	gokarty.app_user_r ole	1:N
FK08	Identifying	gokarty.app_user	gokarty.reservation	1:N
Relationship1	Identifying	gokarty.reservation	gokarty.invoice	1:1

Relationship 'FK02'

Caption	FK02		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.kart		
Child Entity	gokarty.reservation_kart		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier5'	id_kart	Unique_Identifier5

Relation Properties

Match Type	SIMPLE
------------	--------

Relationship 'FK03'

Caption	FK03		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.reservation		
Child Entity	gokarty.reservation_kart		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'PK_reservation'	period	PK_reservation

Key Type	Parent Key	Child Key
	id_track	PK_reservation
	id_app_user	PK_reservation

Relation Properties

Match Type	SIMPLE

Relationship 'FK04'

Caption	FKO4		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.track		
Child Entity	gokarty.reservation		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier4'	id_track	Unique_Identifier4

Relation Properties

Match Type

Relationship 'FK05'

Caption	FK05		
Туре	Non-identifying	Cardinality	1:N
Mandatory Parent	YES	•	·
Mandatory Child	NO		
Parent Entity	gokarty.app_user		
Child Entity	gokarty.email_confirmation_token		

Referential Integrity

Update	Delete
Opadic	Doloto

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier1'	id_app_user	Unique_Identifier1

Relation Properties

Match Type	SIMPLE

Relationship 'FK06'

Caption	FK06		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.app_user		
Child Entity	gokarty.app_user_role		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier1'	id_app_user	Unique_Identifier1

Relation Properties

Match Type	SIMPLE
J_1	

Relationship 'FK07'

Caption	FK07		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.app_role		
Child Entity	gokarty.app_user_role		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier3'	id_app_role	Unique_Identifier3

Relation Properties

Match Type	SIMPLE

Relationship 'FK08'

Caption	FK08		
Туре	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	gokarty.app_user		
Child Entity	gokarty.reservation		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Unique_Identifier1'	id_app_user	Unique_Identifier1

Relation Properties

Match Type	SIMPLE
------------	--------

Relationship 'Relationship1'

Caption	Relationship1		
Туре	Identifying	Cardinality	1:1
Mandatory Parent	YES		
Mandatory Child	YES		

Parent Entity	gokarty.reservation
Child Entity	gokarty.invoice

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Кеу Туре	Parent Key	Child Key
Primary Key 'PK_reservation'	period	PK_reservation
	id_track	PK_reservation
	id_app_user	PK_reservation

Relation Properties

Match Type	SIMPLE

Domain Report

Full Name	Туре	Data Type
Email	Data Type	Character varying
Number of People	Data Type	Smallint

Domain 'Email'

Caption	Email
Data Type	Character varying

Check Constraints

Check Constraint Name	CheckConstraintEmail
Check	<%ColumnName%> ~ '^+@[a-zA-Z_]+?[a-zA-Z]2,3\$'

Used in

Entity	Attribute
gokarty.app_user	email

Domain 'Number of People'

Caption	Number of People
Data Type	Smallint

Check Constraints

Check	
Constraint	people_number
Name	
Check	noonlo
Constraint Rule	people
Check	<%ColumnName%> >= 0

Dictionary Type Report

Dictionary Type Name
gokarty.phone

Dictionary Type 'gokarty.phone'

Caption	phone
Data Type	Character varying(12)
Not Null	NO
Check Constraint Name	phone_number_constraint
Check Constraint Expression	VALUE ~ '^([+]\d{2})?\d{9}\$'

Used in

Entity Name	Attribute Name
gokarty.app_user	phone

User Data Type Report

User Data Type Name	Type of User Data Type
gokarty.Difficulty	Enumerated Type

Enumerated Type 'gokarty.Difficulty'

Caption	Difficulty
Enumerated	
Type List of	'Easy', 'Medium', 'Hard'
Quoted Labels	

Used in

Entity Name	Attribute Name
gokarty.kart	difficulty_level

Check Constraint Rule Report

Full Name	
people	

Check Constraint Rule 'people'

Caption	people
Check Constraint Rule	<%ColumnName%> >= 0

Check Constraint Report

Full Name	Туре	Object Name
CheckConstraint1	Attribute	created_at
		(gokarty.email_confirmation_token)
CheckConstraint2	Attribute	created_at
		(gokarty.email_confirmation_token)
CheckConstraint1	Attribute	period (gokarty.reservation)
CheckConstraintEmail	Domain	Email
people_number	Domain	Number of People

Check Constraint 'CheckConstraint1'

Caption	CheckConstraint1
Entity	gokarty.email_confirmation_token
Attribute	created_at

created_at <= CURRENT_DATE</pre>

Check Constraint 'CheckConstraint2'

Caption	CheckConstraint2
Entity	gokarty.email_confirmation_token
Attribute	created_at

created_at < expires_at</pre>

Check Constraint 'CheckConstraint1'

Caption	CheckConstraint1
Entity	gokarty.reservation
Attribute	period

lower(period) <= CURRENT_DATE</pre>

Check Constraint 'CheckConstraintEmail'

Caption	CheckConstraintEmail
Domain	Email

<%ColumnName%> ~ '^+@[a-zA-Z_]+?[a-zA-Z]2,3\$'

Check Constraint 'people_number'

Caption	people_number
Domain	Number of People
Check Constraint Rule	people

<%ColumnName%> >= 0

Schema Report

Schema Name
gokarty

Schema 'gokarty'

Caption	gokarty
Authorization (Ro	le Name)
If Not Exists	NO

Used in

Entity Name
gokarty.app_user
gokarty.email_confirmation_token
gokarty.app_role
gokarty.track
gokarty.kart
gokarty.reservation
gokarty.invoice
gokarty.app_user_role
gokarty.reservation_kart
Dictionary Type Name
gokarty.phone
User Data Type Name
gokarty.Difficulty

User Group Report

Full Name
db_authenticator
db_owner
db_privilegeduser
db_reader
db_user
user_admin
user_client
user_employee

User Group 'db_authenticator'

Caption	db_authenticator
---------	------------------

Permissions: Entities

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
gokarty.app_user	db_user	Gran t						
gokarty.email_confirmat ion_token	db_user	Gran t						

User Group 'db_owner'

Caption	db_owner
---------	----------

Membership

User Name or User Group Name
user_admin

Permissions: Entities

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
gokarty.app_role		Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.app_roic		t	t	t	t	t	t	t
gokarty app usor role		Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.app_user_role		t	t	t	t	t	t	t
gokarty.email_confirmat	db_user	Gran	Gran	Gran	Gran	Gran	Gran	Gran
ion_token	ub_usei	t	t	t	t	t	t	t
ankarty ann usor	db usor	Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.app_user	db_user	t	t	t	t	t	t	t
ackerty invoice	db usor	Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.invoice	db_user	t	t	t	t	t	t	t
ankarty track	db usor	Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.track	db_user	t	t	t	t	t	t	t
gokarty.reservation	db_user	Gran	Gran	Gran	Gran	Gran	Gran	Gran

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
		t	t	t	t	t	t	t
gokarty recornation kart		Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.reservation_kart		t	t	t	t	t	t	t
ackarty kart	db usor	Gran	Gran	Gran	Gran	Gran	Gran	Gran
gokarty.kart	db_user	t	t	t	t	t	t	t

User Group 'db_privilegeduser'

Caption	db_privilegeduser

Membership

User Name or User Group Name	
user_employee	

Permissions: Entities

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
gokarty.invoice	db_user	Gran t				1		
gokarty.app_user	db_user	Gran t	Gran t	Gran t				
gokarty.reservation	db_user	Gran t	Gran t	Gran t				
gokarty.track	db_user	Gran t	Gran t	Gran t				
gokarty.kart	db_user	Gran t	Gran t	Gran t				
gokarty.email_confirmat ion_token	db_user	Gran t						

User Group 'db_reader'

\cap	aption	db reader
	aption	ub_i eauei

Permissions: Entities

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
gokarty.app_user		Gran t						
gokarty.email_confirmat ion_token		Gran t						
gokarty.app_role		Gran t						
gokarty.app_user_role		Gran t				1		
gokarty.invoice		Gran t						
gokarty.reservation		Gran t						
gokarty.track		Gran t						
gokarty.reservation_kart		Gran t						
gokarty.kart		Gran t						

User Group 'db_user'

Caption db_user

Membership

User Name or User Group Name
user_client

Permissions: Entities

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
gokarty.invoice		Gran t						
gokarty.app_user		Gran t						
gokarty.reservation		Gran t						
gokarty.track		Gran						

Entity Name	Grantor	SELE CT	INSE RT	UPD ATE	DELE TE	REFE REN CES	TRIG GER	TRU NCA TE
		t						
gokarty.kart		Gran t						
gokarty.email_confirmat ion_token		Gran t						

User Group 'user_admin'

Continu	
Caption	user admin
Caption	door_darriiir

User Group Properties

Login YES

Members

User Name or User Group Name db_owner

User Group 'user_client'

Caption	user_client
---------	-------------

User Group Properties

Login YES

Members

User Name or User Group Name db_user

User Group 'user_employee'

Caption user_employee	
-----------------------	--

Members

User Name or User Group Name
db_privilegeduser

Statistic Information

Entities	9	Entity Check Constraints	0		
Attributes	35	Attribute Check Constrains	3		
Domains	2	Domain Check Constrains	2		
Dictionary Types	1				
User Data Types	1				
Relationships	8	Identifying	7	Non-identifyin g	1
Indexes	3				
Keys	9	Primary Keys	9	Alternate Keys	0
Entity Triggers	0				
Views	0				
View Relationships	0				
View Triggers	0				
Rewrite Rules	0	Entity Rewrite Rule Name	0	View Rewrite Rule Name	0
Functions	0				
Procedures	0				
Defaults	0				
Check Constraint Rules	1				
Aggregates	0				
Materialized Views	0				
Sequences	0				
Tablespaces	0				
Schemas	1				
Collations	0				
Foreign Servers	0				
User Groups	8				
Notes	0				