All Tables Details

Design Name	DispTaxi
Version Date	02.03.2015 04:40:39
Version Comment	
Model Name	Relational_1

Table Name	AUTOS
Functional Name	AUTOS
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Список автомобилей готовых к выполнению заказов
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_AUTO	P		Y	Integer	LT				
2	ID_CAR		F	Y	Integer	LT				
3	ID_DRIVER		F	Y	Integer	LT				
4	R_WAITING				SMALLINT	LT				
5	R_ROUTE				SMALLINT	LT				
6	POSITION_LAT				SMALLINT	LT				
7	POSITION_LNG				SMALLINT	LT				
8	SIGN_ACTIVE				Integer	LT				
9	D_CREATE				Datetime	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_AUTO	PK	
2	ID_CAR	FK cars	
3	ID_DRIVER	FK drivers	
4	R_WAITING	Радиус ожидания, км	
5	R_ROUTE	Радиус выполнения заказа, км	
6	POSITION_LAT	Текущее положение авто (широта)	
7	POSITION_LNG	Текущее положение авто (долгота)	
8	SIGN_ACTIVE	Признак участия в исполнении заказа	
9	D_CREATE	Дата создания записи	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
AUTOS_PK	PK				ID_AUTO	ASC
					ID_AUTO	ASC
AUTOS_CAR_DRIVER_UK					ID_CAR	ASC
					ID_DRIVER	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
AUTOS_DRIVERS_FK	DRIVERS	Y	Y		ID_DRIVER
AUTOS_CARS_FK	CARS	Y	Y		ID_CAR

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
ORDERS_AUTOS_FK	ORDERS	Y	Y		ID_AUTO

Table Name	CARS
Functional Name	CARS
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник транспортных средств
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_CAR	P		Y	Integer	LT				
2	CAR_REG_NUM				VARCHAR (10)	LT				
3	SITS_QUAN				Integer	LT				
4	SIGN_ACTIVE				Integer	LT				
5	D_CREATE				Datetime	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_CAR	PK	
2	CAR_REG_NUM	Номер авто	
3	SITS_QUAN	Количество пассажирских мест	
4	SIGN_ACTIVE	Признак используемости авто	
5	D_CREATE	Дата создания записи	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
CARS_PK	PK				ID_CAR	ASC
CARS_UK					CAR_REG_NUM	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
AUTOS_CARS_FK	AUTOS	Y	Y		ID_CAR

Table Name	CITIES
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник населённых пунктов
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_CITY	P		Y	Integer	LT				
2	CITY_NAME				VARCHAR (50)	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_CITY	PK	
2	CITY_NAME	Название населённого пункта	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
CITIES_PK	PK				ID_CITY	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
STREETS_CITIES_FK	STREETS	Y	Y		ID_CITY

Table Name	DRIVERS
Functional Name	DRIVERS
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник водителей
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_DRIVER	P	F	Y	Integer	LT				
2	SIGN_ACTIVE				Integer	LT				
3	D_CREATE				Datetime	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_DRIVER	PK	
2	SIGN_ACTIVE	Признак активности водителя в системе	
3	D_CREATE	Дата создания записи	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
DRIVERS_PK	PK				ID_DRIVER	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
DRIVERS_PERSONS_FK	PERSONS	Y	Y		ID_PERSON

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
AUTOS_DRIVERS_FK	AUTOS	Y	Y		ID_DRIVER

Table Name	ORDERS
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Заказы
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_ORDER	P		Y	Integer	LT				
2	ID_CUSTOMER		F	Y	Integer	LT				
3	ID_ROUTE		F	Y	Integer	LT				
4	ID_AUTO		F	Y	Integer	LT				
5	ID_STATE		F	Y	Integer	LT				
6	ID_RESULT		F	Y	Integer	LT				
7	D_CREATE			Y	Datetime	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_ORDER	PK	
2	ID_CUSTOMER	Заказчик	Заказчик: физ.лицо или фирма
3	ID_ROUTE	Маршрут следования	Составляется в момент получения заказа. Маршрут может состоять из более чем двух пунктов назначения.
4	ID_AUTO	Исполнитель заказа	Проставляется после принятия заказа у Заказчика
5	ID_STATE	Состояние заказа	При смене статуса можно генерировать сообщение для участников
6	ID_RESULT	Результат: заказ принят, заказ выполнен, заказ отменён	
7	D_CREATE	Дата создания записи	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ORDERS_PK	PK				ID_ORDER	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
ORDERS_ORDER_STATES_FK	ORDER_STATES	Y	Y		ID_STATE
ORDERS_PERSONS_FK	PERSONS	Y	Y		ID_PERSON
ORDERS_ORDER_RESULTS_FK	ORDER_RESULTS	Y	Y		ID_RESULT
ORDERS_ROUTES_FK	ROUTES	Y	Y		ID_ROUTE
ORDERS_AUTOS_FK	AUTOS	Y	Y		ID_AUTO

Table Name	ORDER_RESULTS
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Результат исполнения заказа
Notes	Например, значения: ВЫПОЛНЕН, ОТМЕНЁН

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_RESULT	P		Y	Integer	LT				
2	RESULT_NAME				VARCHAR (50)	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_RESULT	PK	
2	RESULT_NAME	Наименование	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ORDER_RESULTS_PK	PK				ID_RESULT	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
ORDERS_ORDER_RESULTS_FK	ORDERS	Y	Y		ID_RESULT

Table Name	ORDER_STATES
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Состояния заказа
Notes	Например: 1) Новый 2) Выбрано авто 3) Авто ждёт заказчика 4) Авто отправилось с заказчиком 5) Ато доставило заказчика 6) Заказ отменён

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_STATE	P		Y	Integer	LT				
2	STATE_NAME				VARCHAR (30)	LT				
3	STATE_DESCR				VARCHAR (100)	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_STATE	PK	
2	STATE_NAME	Описание состояния заказа	
3	STATE_DESCR	Подробное описание	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ORDER_STATES_PK	PK				ID_STATE	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
ORDERS_ORDER_STATES_FK	ORDERS	Y	Y		ID_STATE

Table Name	PERSONS
Functional Name	DRIVERS
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник персон
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_PERSON	P		Y	Integer	LT				
2	FIRST_NAME			Y	VARCHAR (30)	LT				
3	LAST_NAME				VARCHAR (30)	LT				
4	TEL_NUM			Y	VARCHAR (30)	LT				
5	D_CREATE				Datetime	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_PERSON	PK	
2	FIRST_NAME	Имя	
3	LAST_NAME	Фамилия	
4	TEL_NUM	Контактный телефон	Контактные данные можно вынести в отдельную таблицу (тел, адрес, email и т.д.)
5	D_CREATE	Дата создания записи	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PERSONS_PK	PK				ID_PERSON	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
DRIVERS_PERSONS_FK	DRIVERS	Y	Y		ID_PERSON
ORDERS_PERSONS_FK	ORDERS	Y	Y		ID_PERSON

Table Name	POINTS
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник пунктов назначений
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_POINT	P		Y	Integer	LT				
2	ID_STREET		F	Y	Integer	LT				
3	HOUSE_NUM				VARCHAR (10)	LT				
4	POINT_LAT				SMALLINT	LT				
5	POINT_LNG				SMALLINT	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_POINT	PK	
2	ID_STREET	Улица	
3	HOUSE_NUM	Номер дома/корпуса	
4	POINT_LAT	Положение на карте: Широта [-90, 90]	
5	POINT_LNG	Положение на карте: Долгота [-180, 180]	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
POINTS_PK	PK				ID_POINT	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
POINTS_STREETS_FK	STREETS	Y	Y		ID_STREET

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
ROUTES_POINTS_DST_FK	ROUTES	Y	Y		ID_POINT
					ID_POINT

Table Name	ROUTES
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Маршрут следования
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_ROUTE	P		Y	Integer	LT				
2	ID_SRC_POINT		F	Y	Integer	LT				
3	ID_DST_POINT		F	Y	Integer	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_ROUTE	PK	
2	ID_SRC_POINT	Начальный пункт	
3	ID_DST_POINT	Конечный пункт	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
ROUTES_PK	PK				ID_ROUTE	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
ROUTES_POINTS_DST_FK	POINTS	Y	Y		ID_POINT
					ID_POINT

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
ORDERS_ROUTES_FK	ORDERS	Y	Y		ID_ROUTE

Table Name	STREETS
Functional Name	
Abbreviation	
Classification Type Name	
Object Type Name	

Description	Справочник улиц
Notes	

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	ID_STREET	P		Y	Integer	LT				
2	STREET_NAME				VARCHAR (50)	LT				
3	ID_CITY		F	Y	Integer	LT				

Columns Comments

No	Column Name	Description	Notes
1	ID_STREET	PK	
2	STREET_NAME	Название улицы	
3	ID_CITY	FK Населённый пункт	

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
STREETS_PK	PK				ID_STREET	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Column Name
STREETS_CITIES_FK	CITIES	Y	Y		ID_CITY

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Column Name
POINTS_STREETS_FK	POINTS	Y	Y		ID_STREET