

TABLES

All columns are NOT NULL

Pizzerias:

- Id UNIQUE
- Latitude left DECIMAL(2, 6) <90 and >-90
- Latitude right DECIMAL(2, 6) <90 and >-90
- Longitude left DECIMAL(3, 6) <180 and >-180
- Longitude right DECIMAL(3, 6) <180 and >-180
- Phone number VARCHAR(50) LIKE ('([0-9] [0-9]) [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]')

Relationships

- Couriers (one-to-many)

Cart:

- Id UNIQUE
- Total price DECIMAL(10,2) >0

Relationships

- Cart_Pizzas (many-to-many)
- Customers (one-to-one)
- Delivery (one-to-one)

Couriers:

- Id UNIQUE
- First name VARCHAR(50)
- Last name VARCHAR(50)
- Phone number VARCHAR(50)
- Availability BOOLEAN

Relationships

- Pizzeria (many-to-one)
- PersonalCar(one-to-one)
- Delivery (one-to-many)
- Users (one-to-one)

PersonalCar:

- Number VARCHAR(10) UNIQUE
- Model VARCHAR(50)

Relationships

- Couriers (one-to-one)

Categories:

- Name VARCHAR(50)
- Price DECIMAL(3,2) > 0

Relationships

- Pizzas (one-to-many)

Pizzas:

- Id UNIQUE
- Name VARCHAR(50)
- Weight TINYINT < 2000
- Composition TINYTEXT

Relationships

- Categories (many-to-one)
- Cart_Pizzas (many-to-many)

Delivery:

- Id UNIQUE
- Delivery date DATE $> getdate() < getdate() + 5 \text{ days}$

Relationships

- Couriers (many-to-one)
- Cart (one-to-one)
- DeliveryTime (many-to-one)

Cart_Pizzas:

Relationships

- Pizzas (many-to-many)
- Orders (many-to-many)

DeliveryTime:

- Delivery time from TIME hh:mi UNIQUE
- Delivery time to TIME hh:mi

Relationships

- Delivery (one-to-many)

Customers:

- First name VARCHAR(50)
- Last name VARCHAR(50)
- Street VARCHAR(50)

- House TINYINT <1000
- Flat TINYINT DEFAULT 0 <1000
- Latitude DECIMAL(2, 6) <90 and >-90
- Longitude left DECIMAL(3, 6) <180 and >-180
- Email VARCHAR(50) IN ('@')

Relationships

- Cart (one-to-many)
- Users (one-to-one)

Users:

- Id UNIQUE
- Password VARCHAR(20)
- Phone number VARCHAR(50)

Relationships

- Logger (one-to-many)
- Roles (many-to-one)
- Couriers (one-to-one)
- Customers (one-to-one)

Logger:

- Id UNIQUE
- Message TINYTEXT

Relationships

- Users (many-to-one)

Roles:

- Id UNIQUE
- Role TINYTEXT

Relationships

- Users (one-to-many)