

## 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] [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 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)